

Fig 1

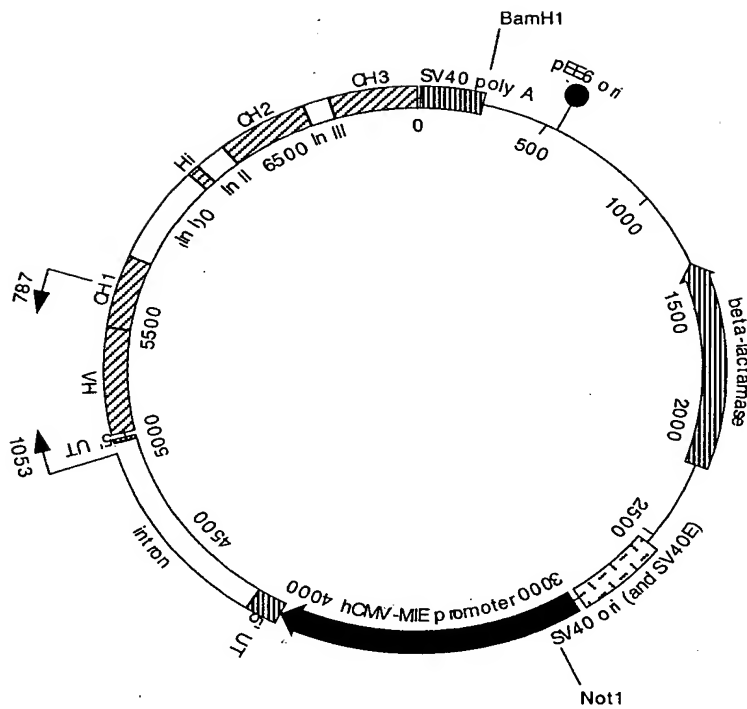


Fig 2

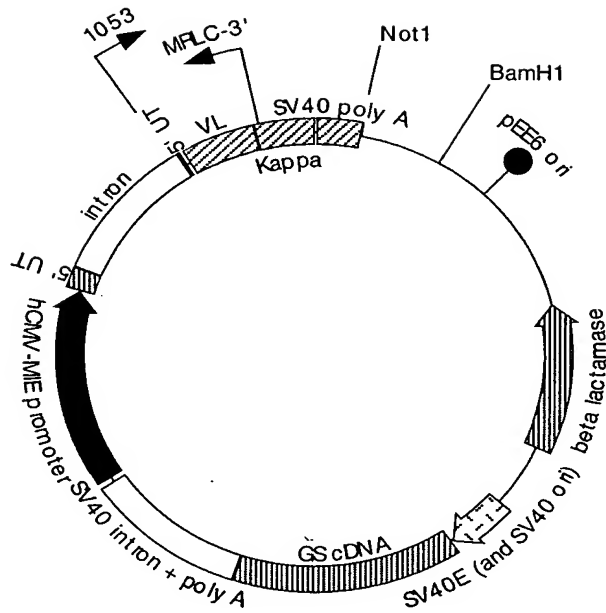
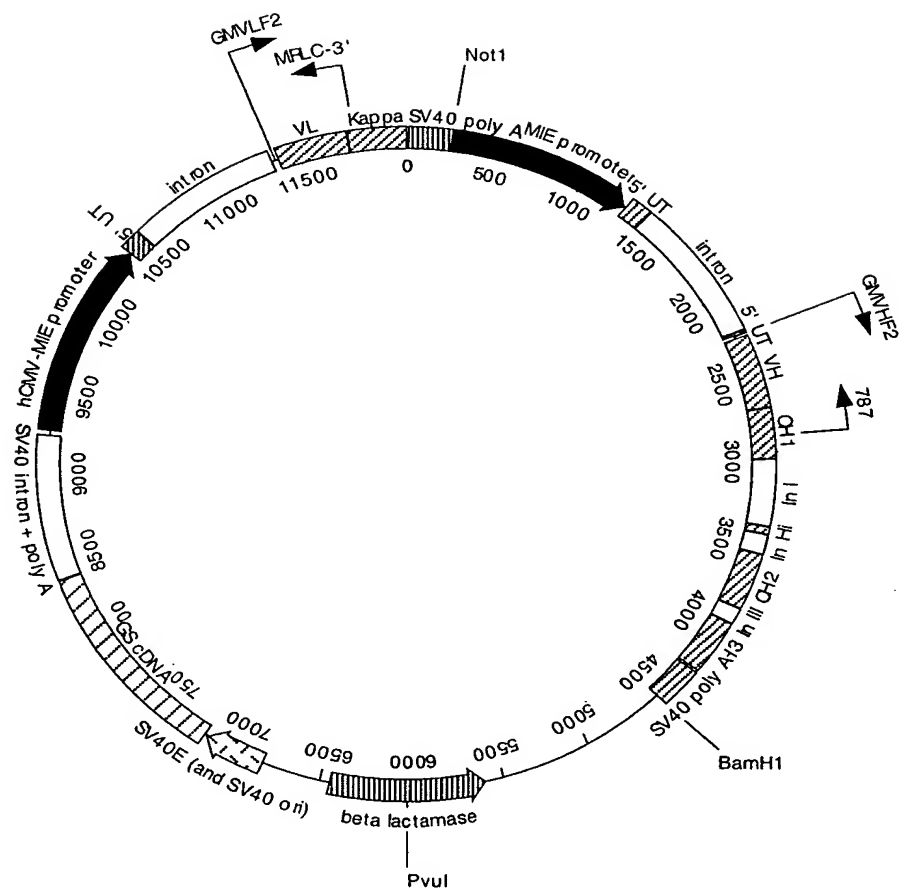


Fig 3



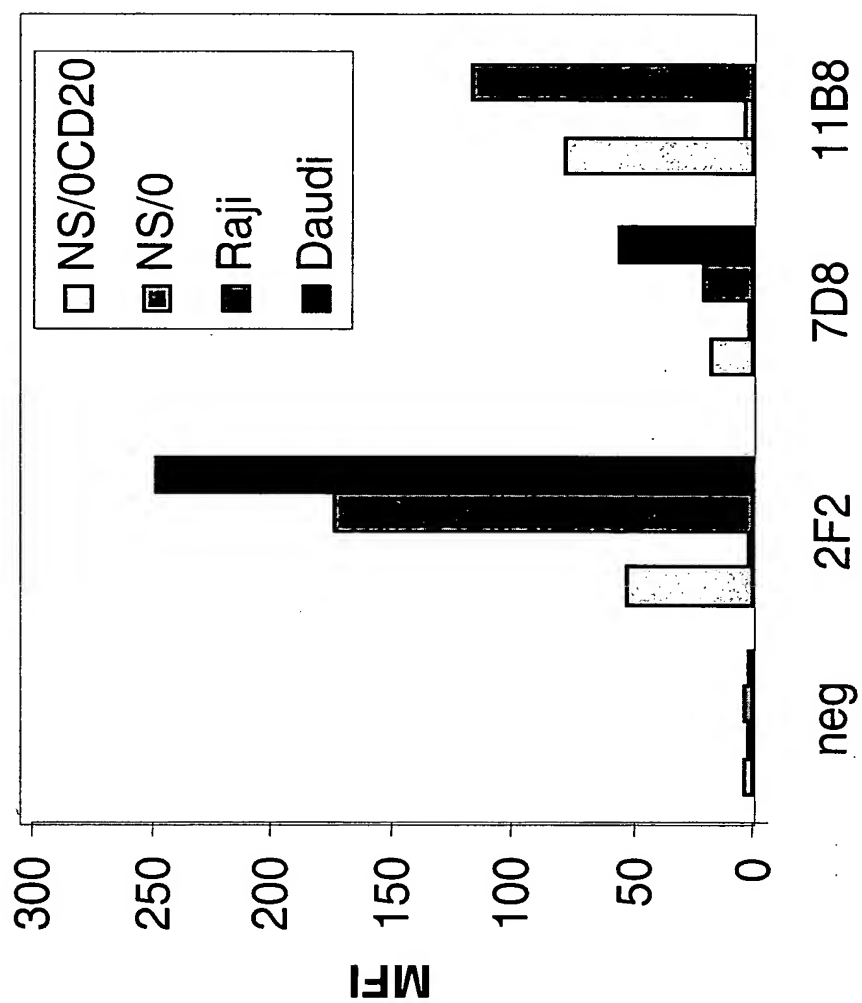
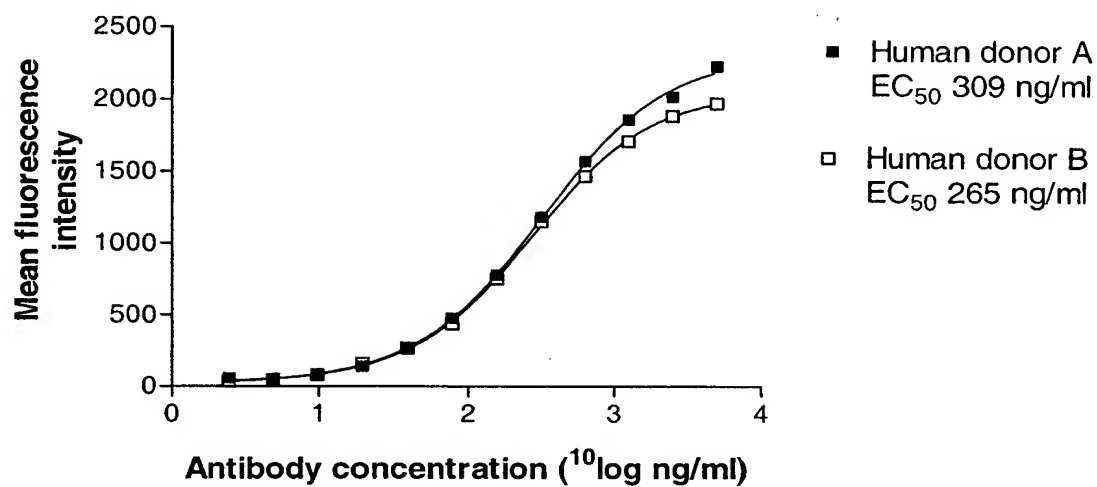


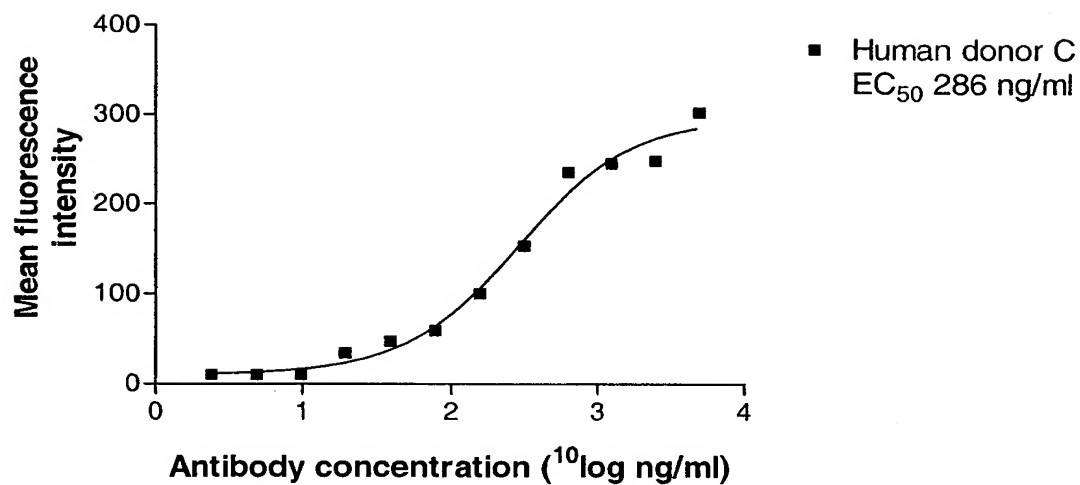
Fig 4

Fig 5A-B

A



B



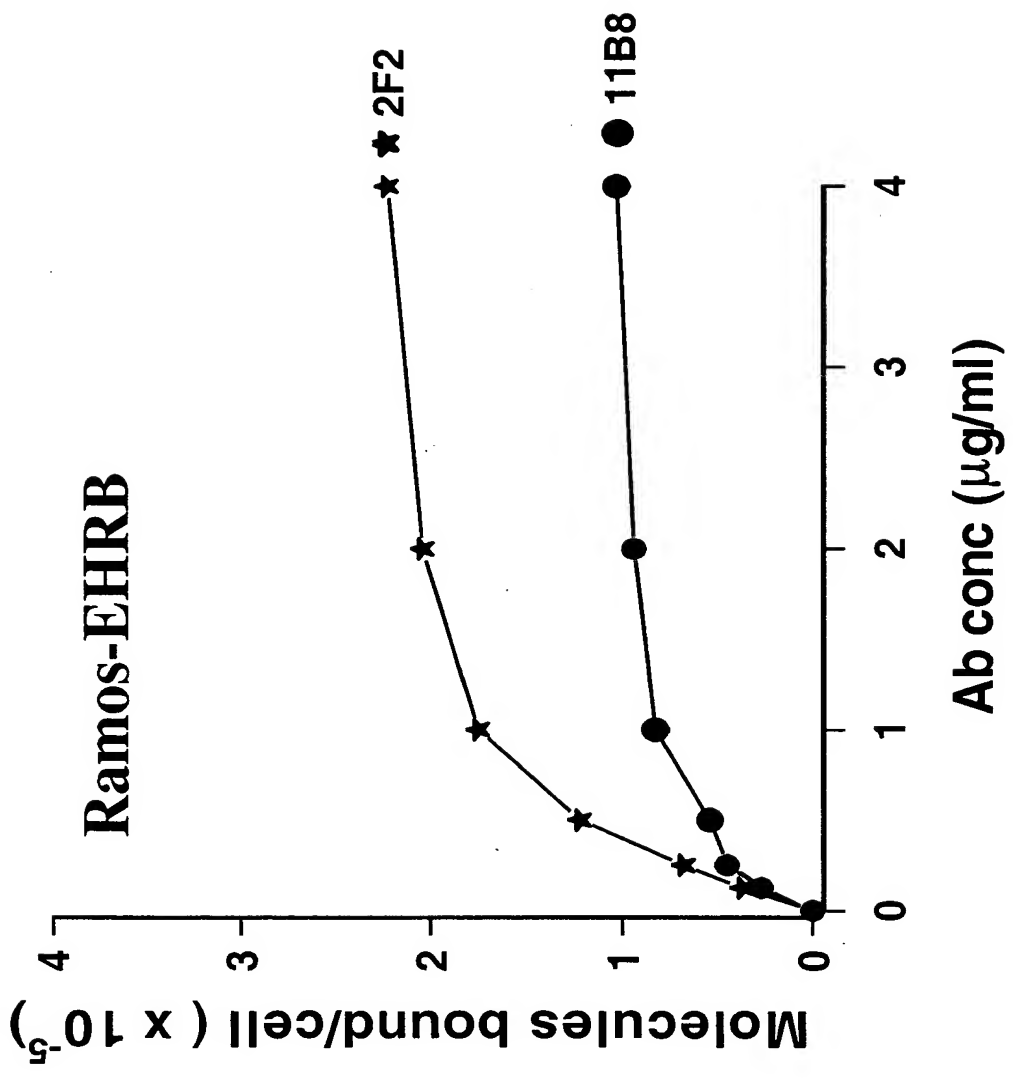
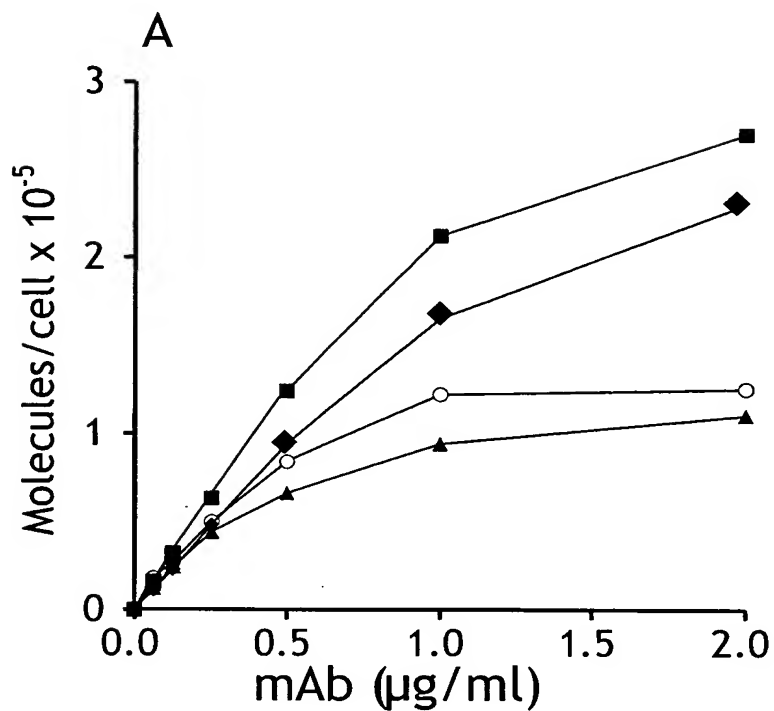
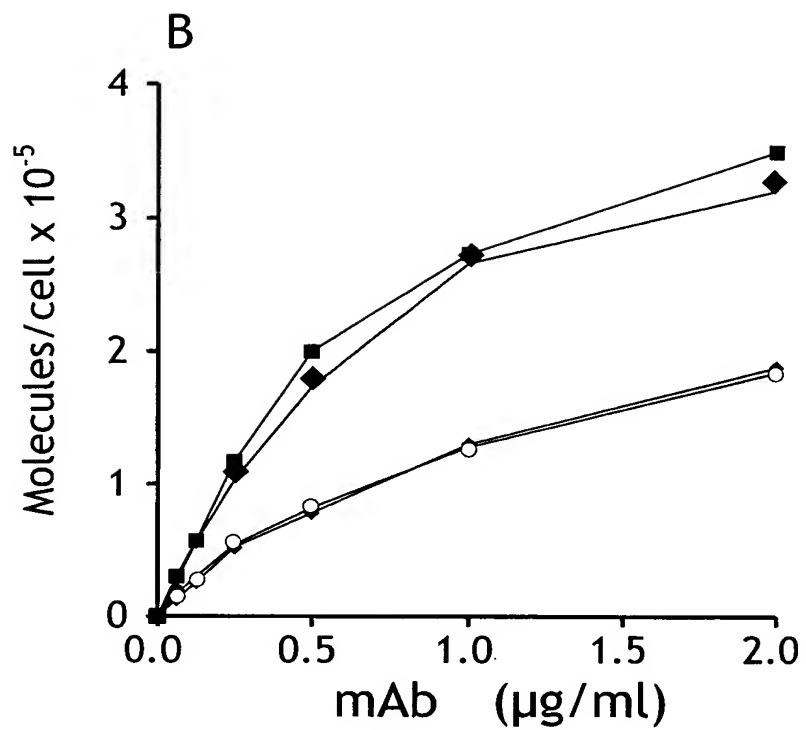


Fig 6

Fig 7A-B

^{125}I -labeled 2F2 (■), ^{125}I -labeled rituximab (◆),
 ^{125}I -labeled 11B8 (○), and ^{125}I -labeled B1 (▲)





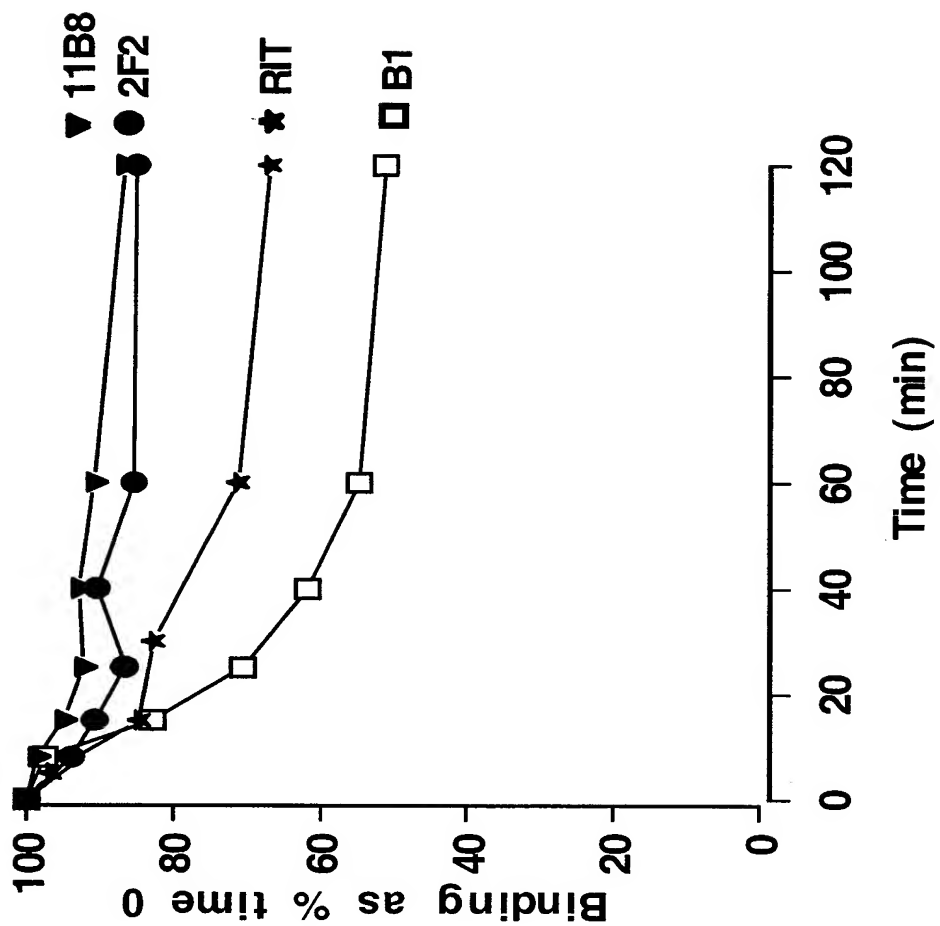


Fig 8

Fig 9

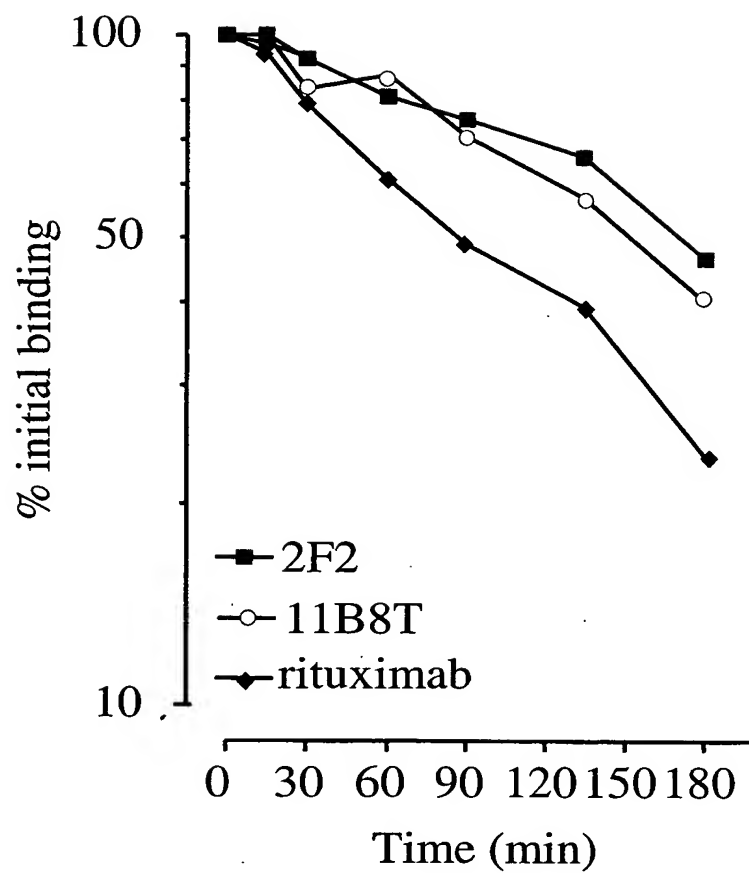
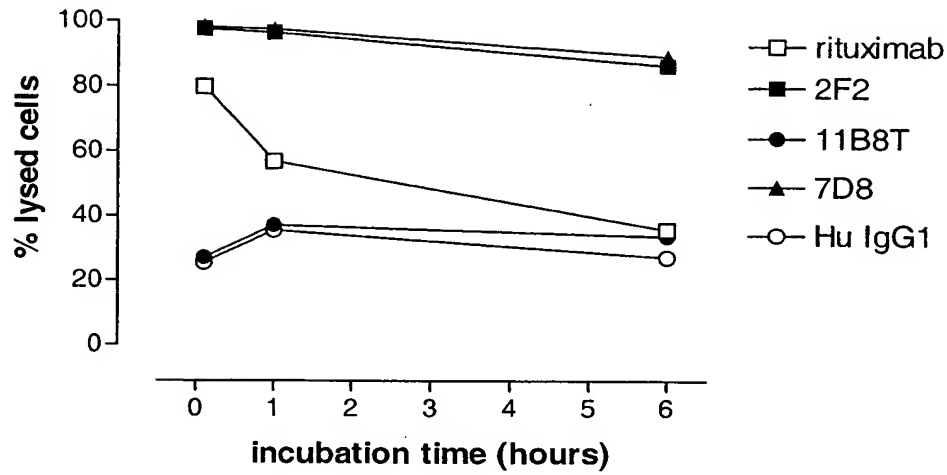


Fig 10A-B

A



B

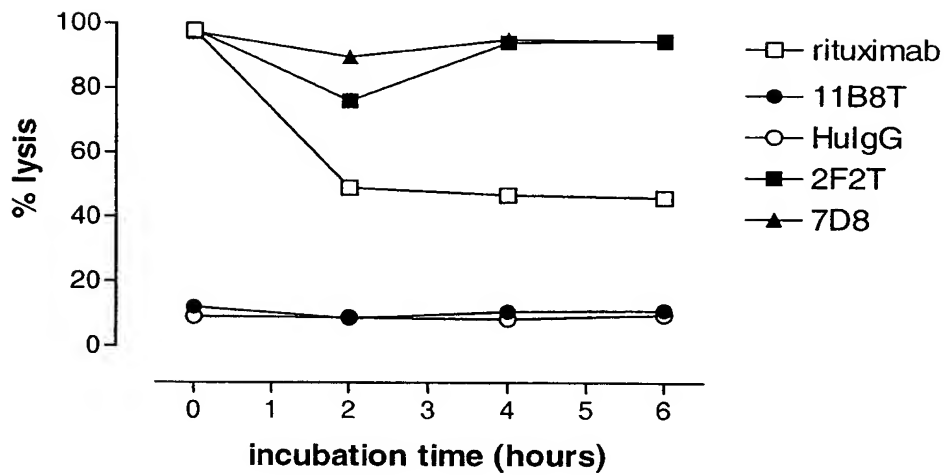
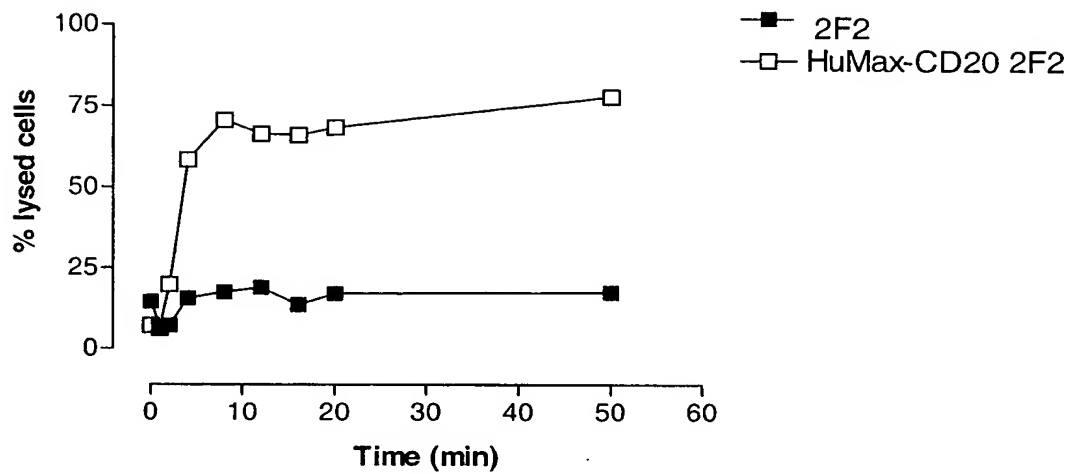
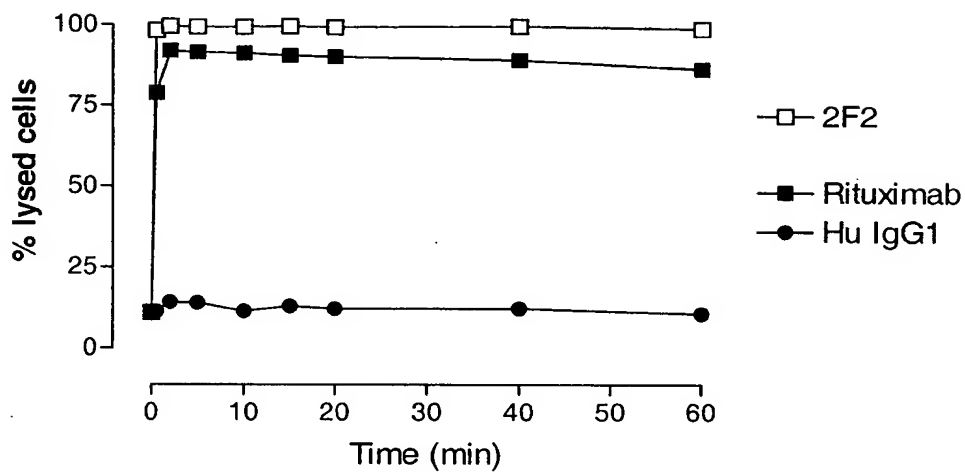


Fig 11A-E

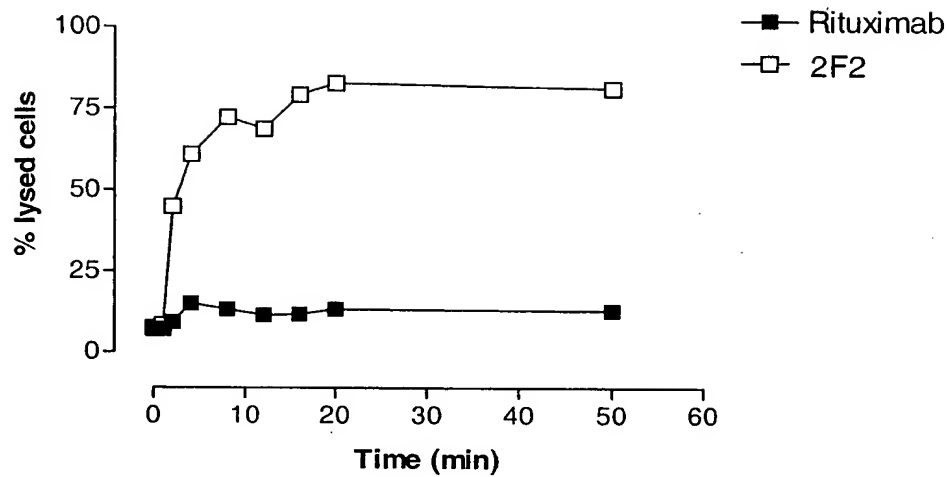
A ARH-77



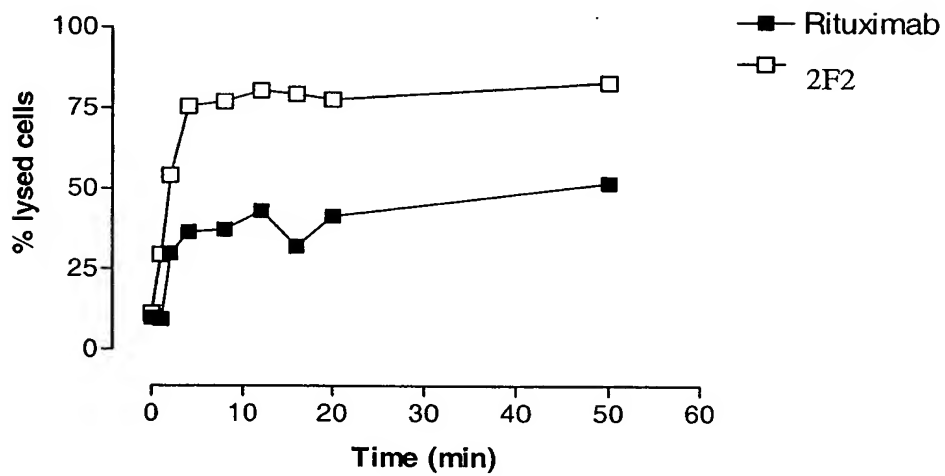
B Daudi



C Raji



D DOHH



E SU-DHL-4

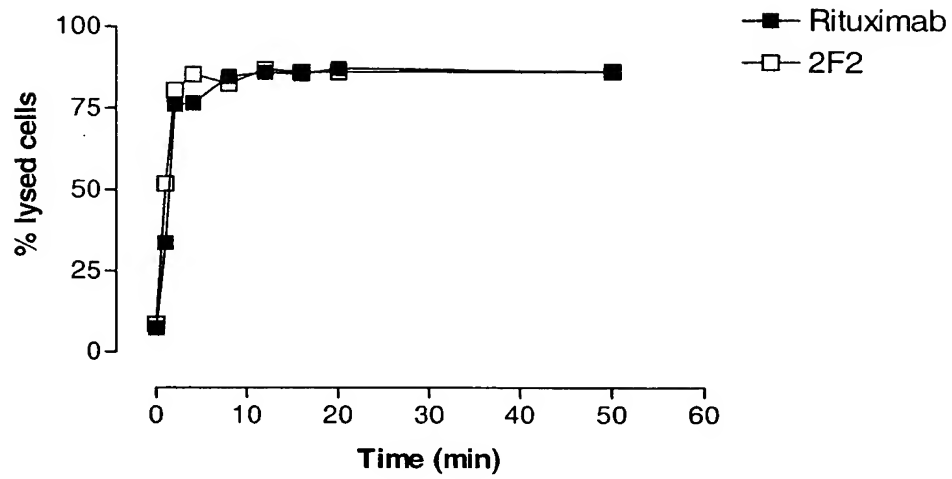
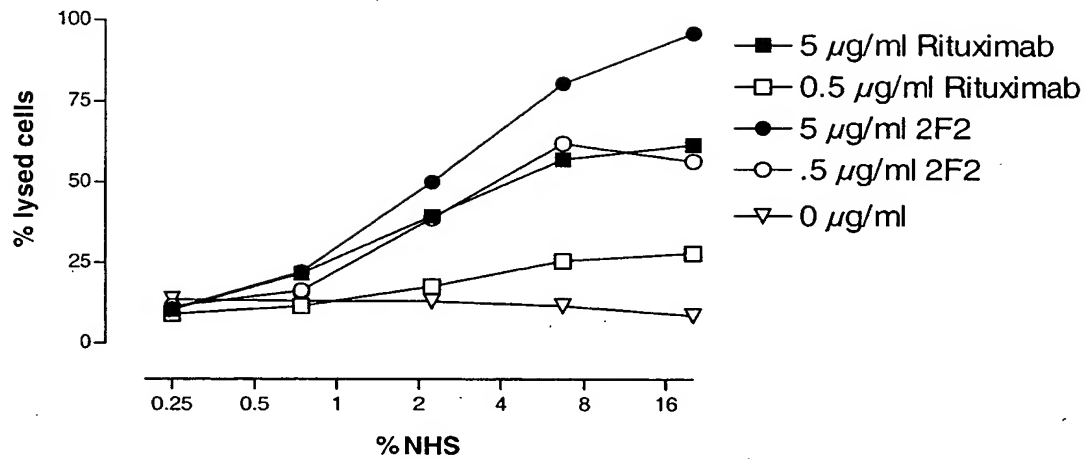
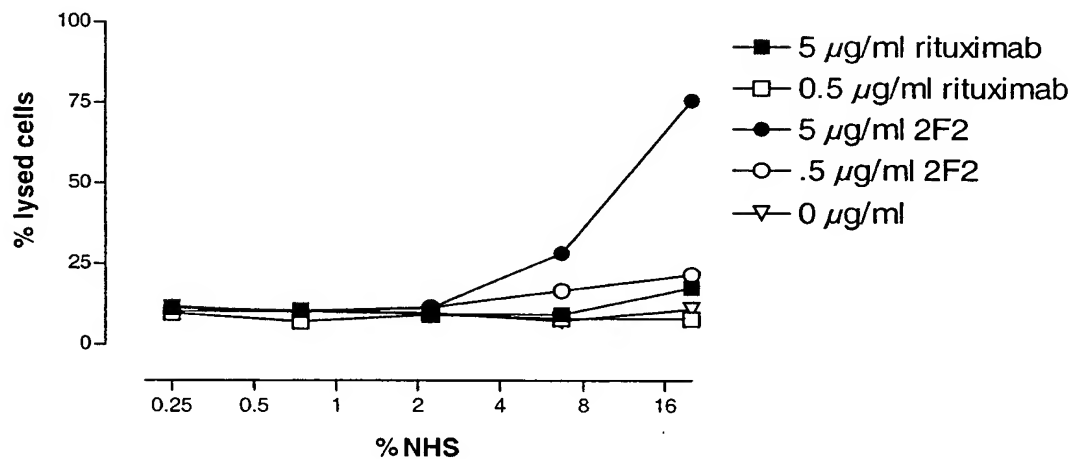


Fig 12A-D

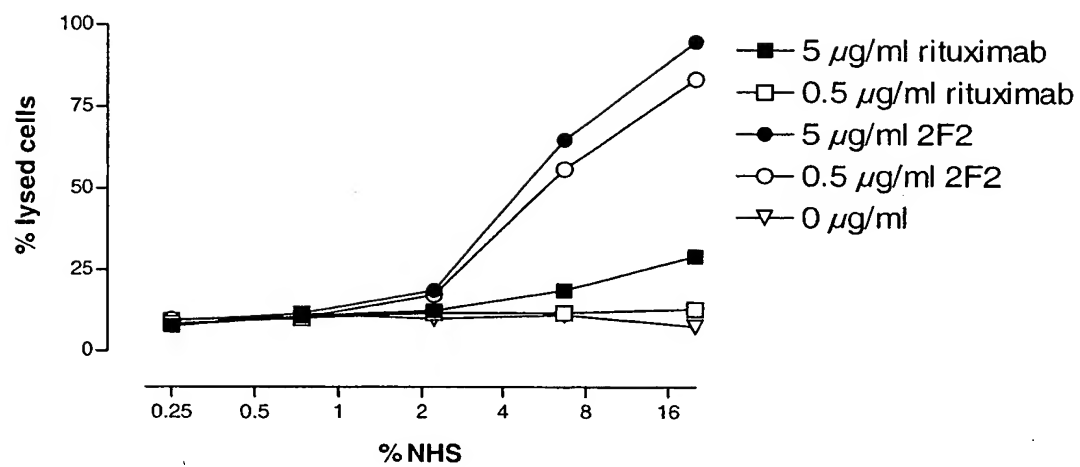
A Daudi



B ARH-77



C DOHH



D Raji

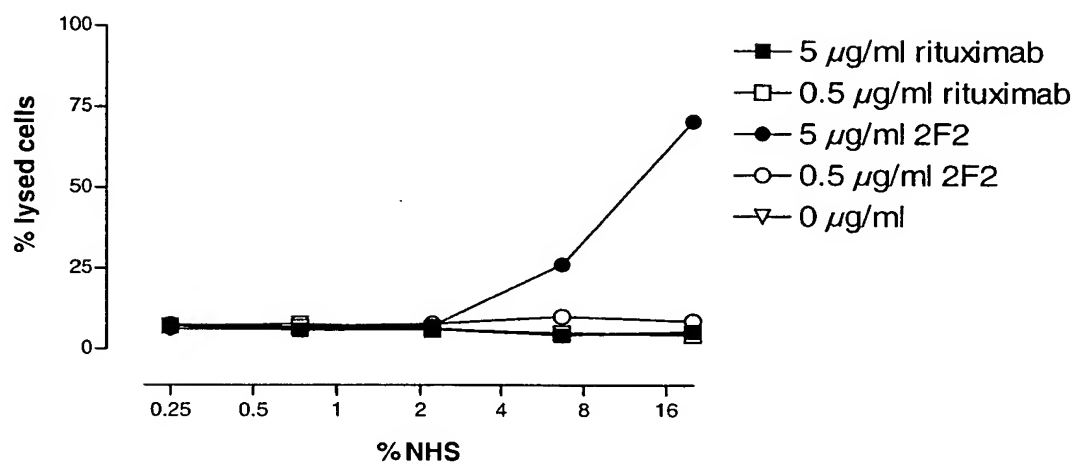
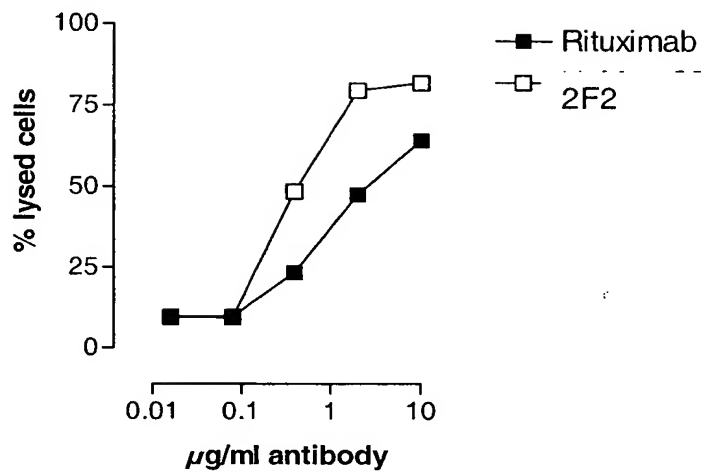
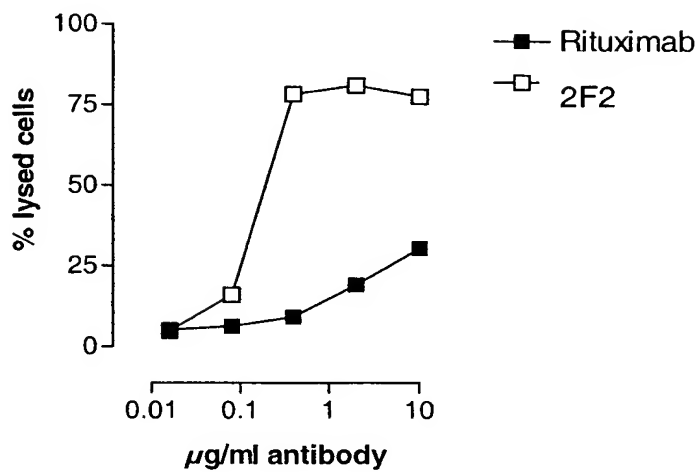


Fig 13A-D

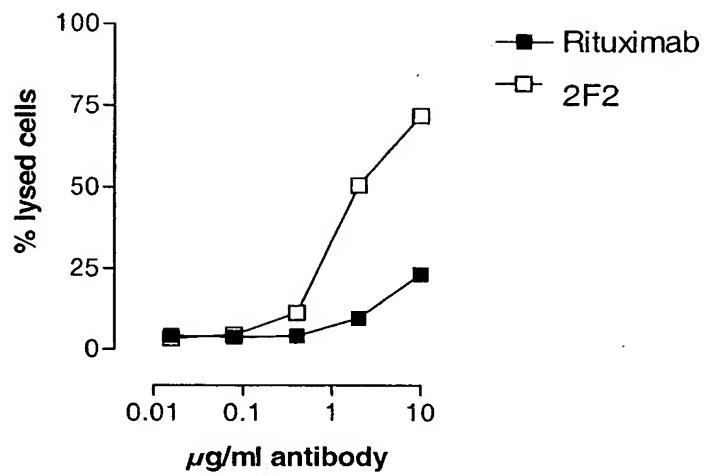
A Daudi



B DOHH



C ARH-77



D Raji

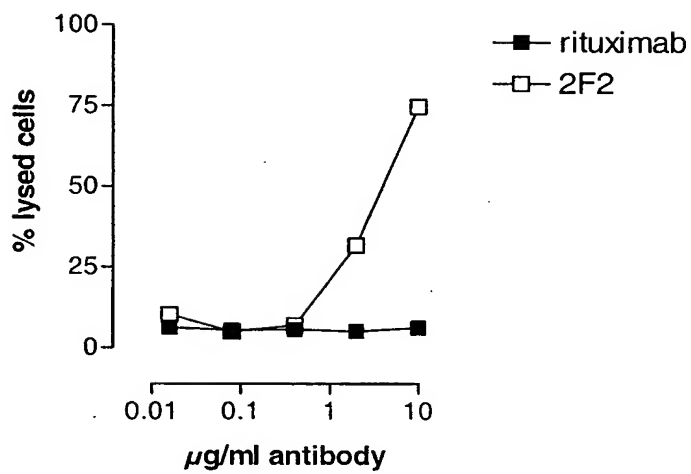
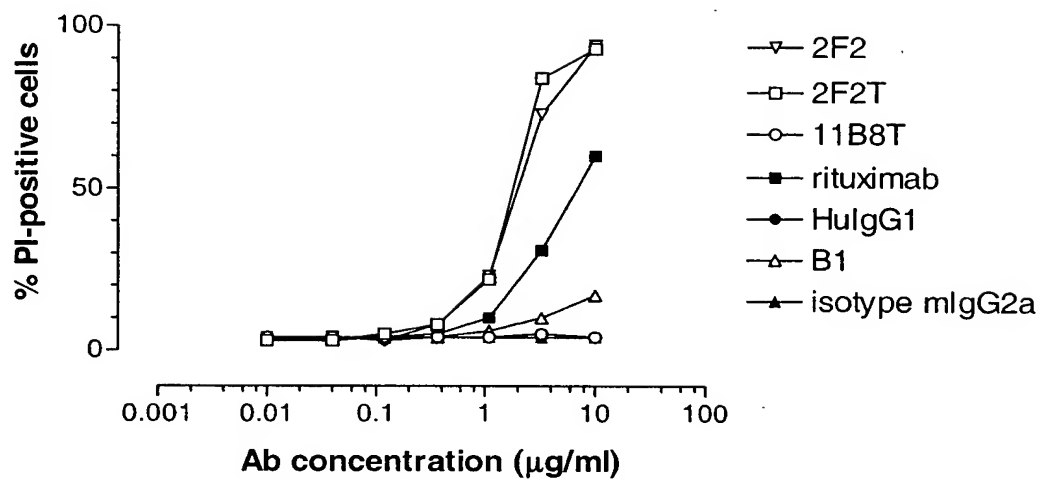
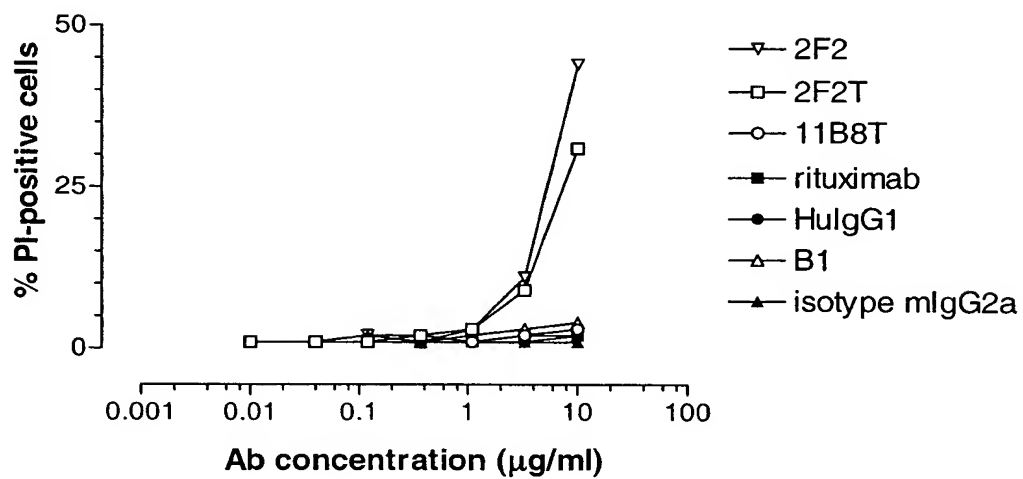


Fig 14 A-B

A Daudi



B Raji



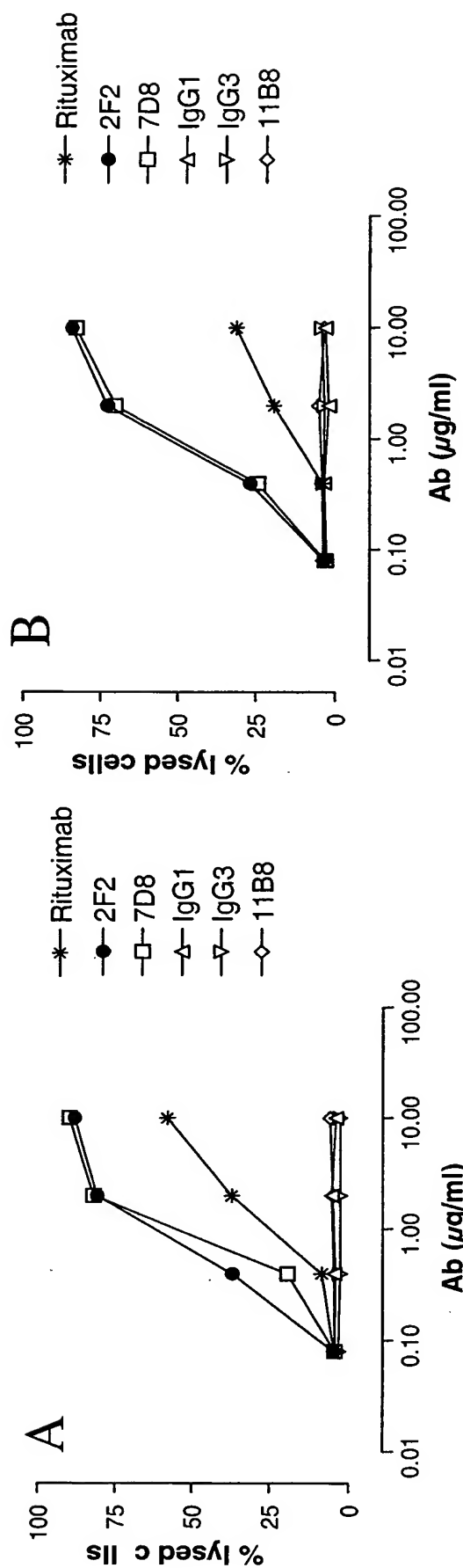


Fig 15A-B

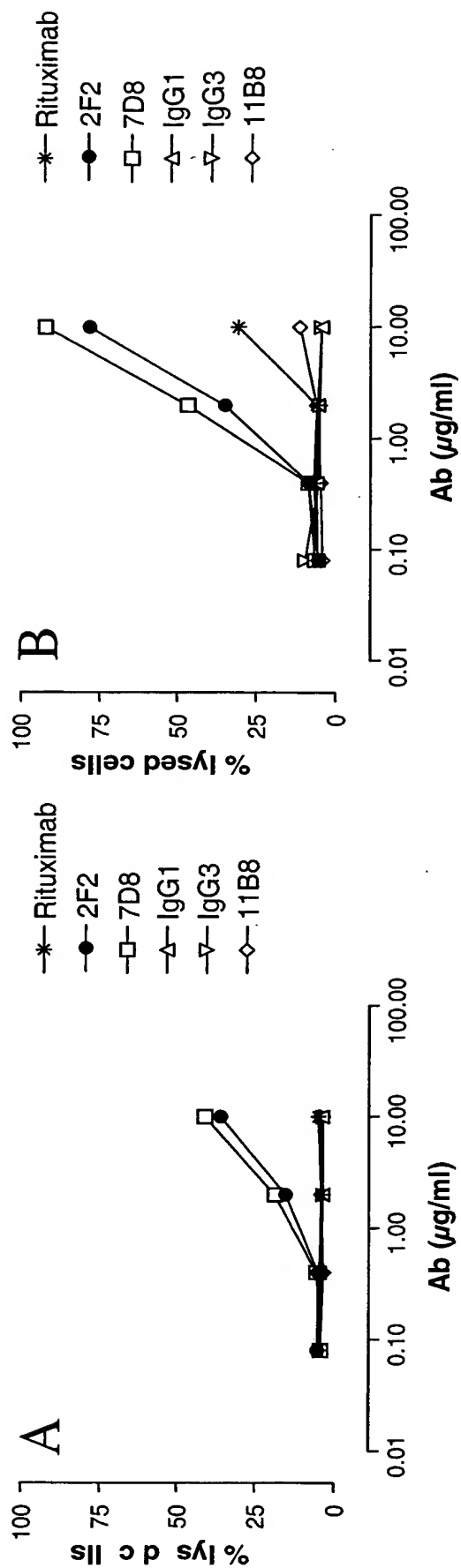
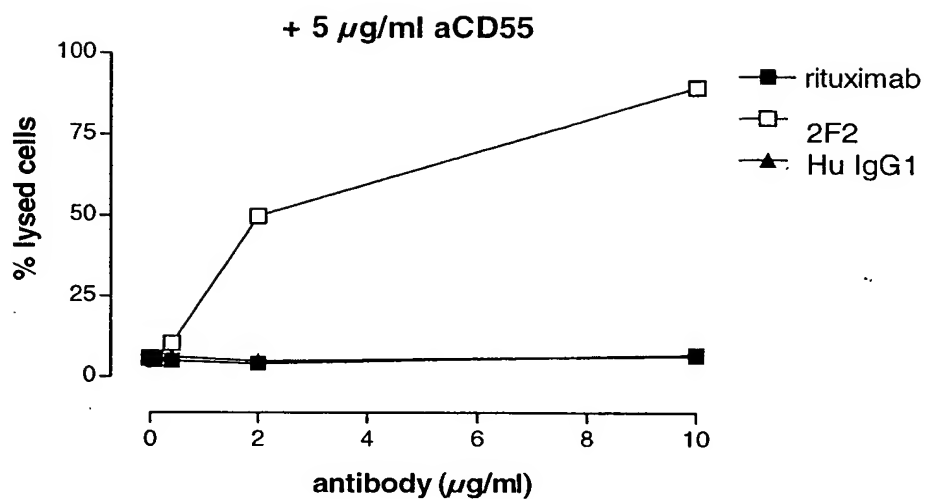


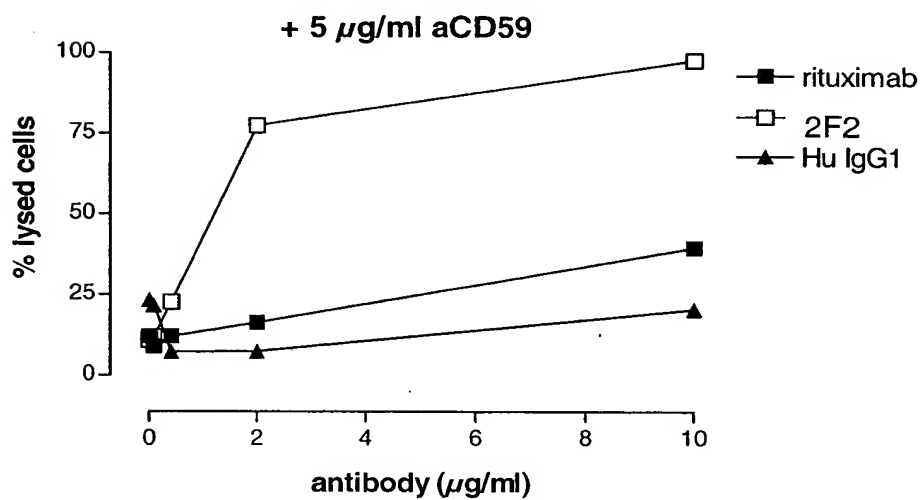
Fig 16A-B

Fig 17A-C

A



B



C

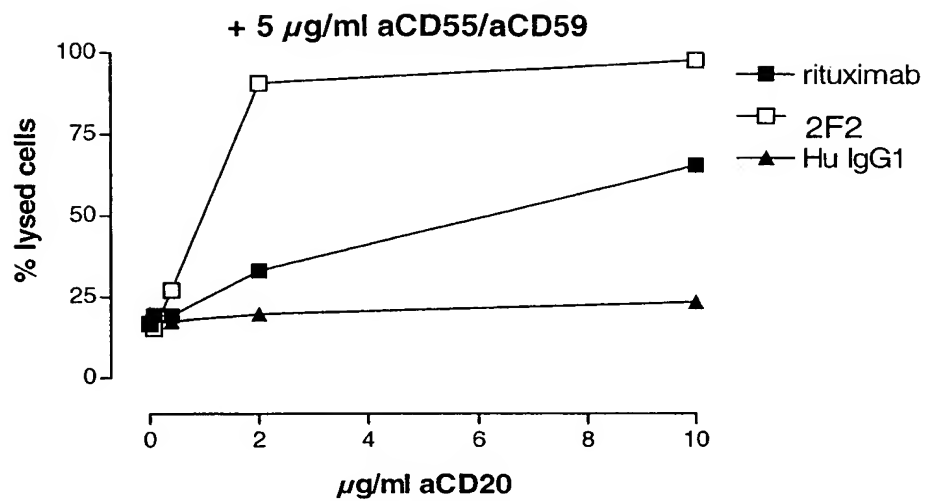
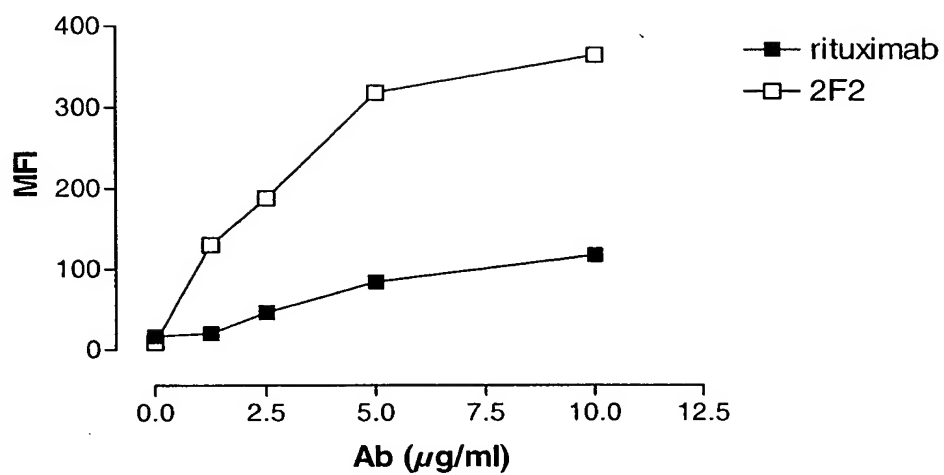
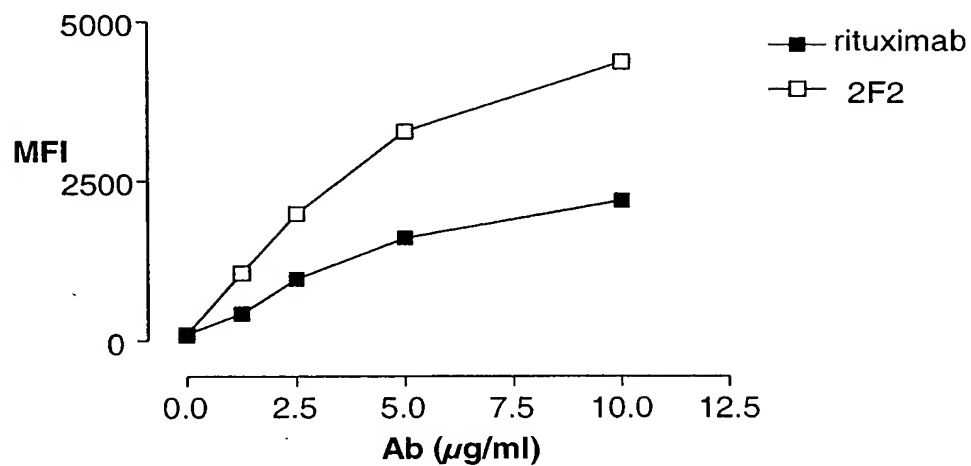


Fig 18A-D

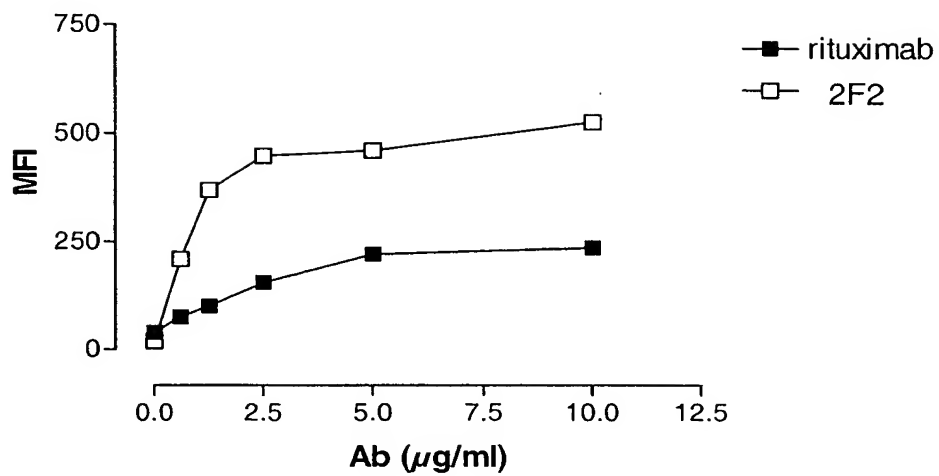
A Daudi



B ARH-77



C DOHH



D Raji

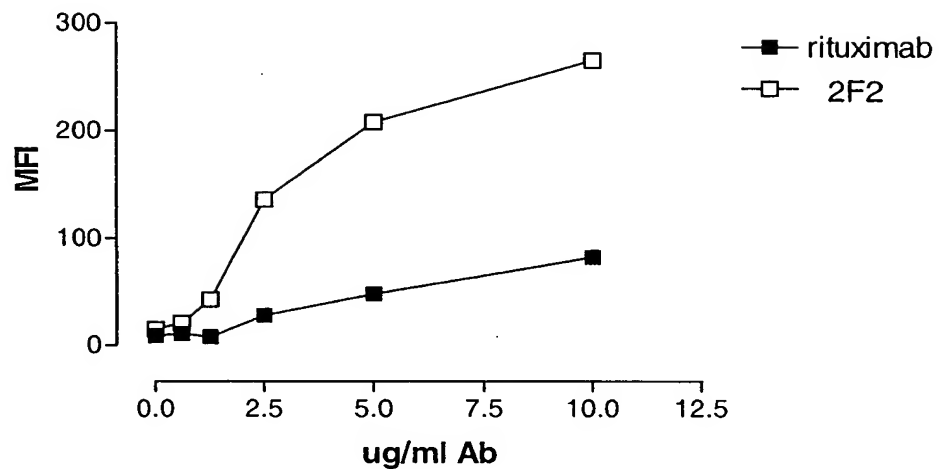
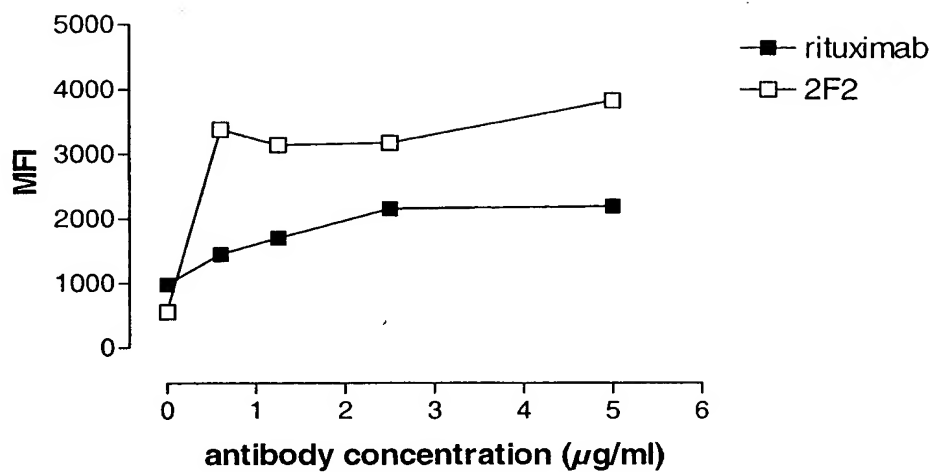
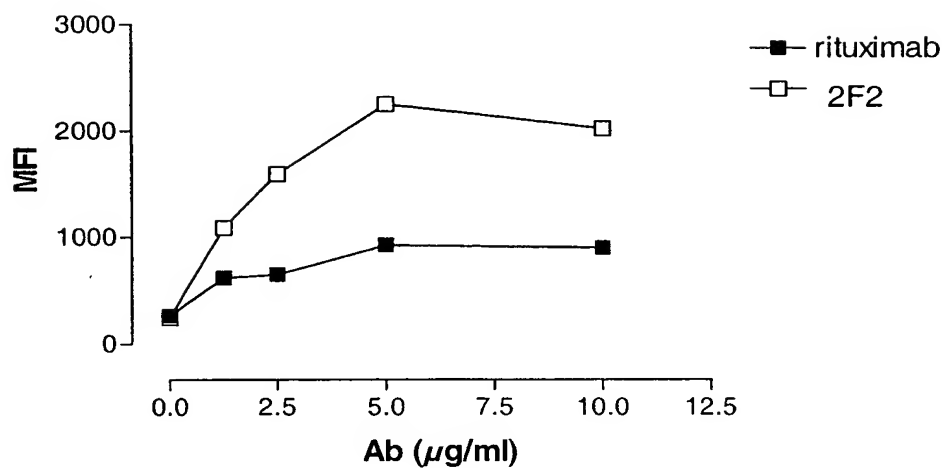


Fig 19A-D

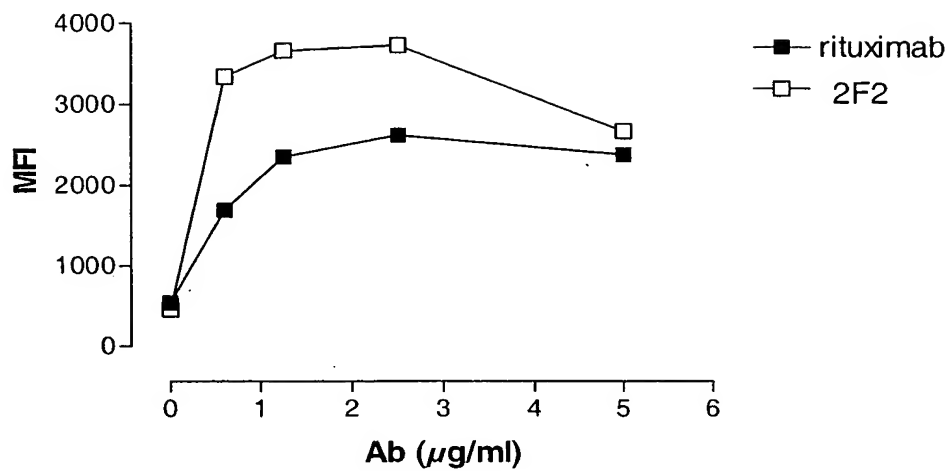
A Daudi



B ARH-77



C DOHH



D Raji

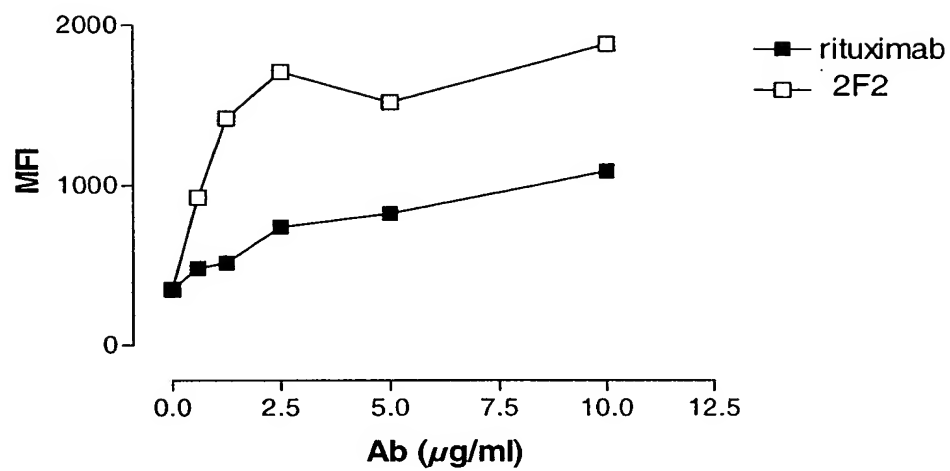


Fig 20

ARH-77

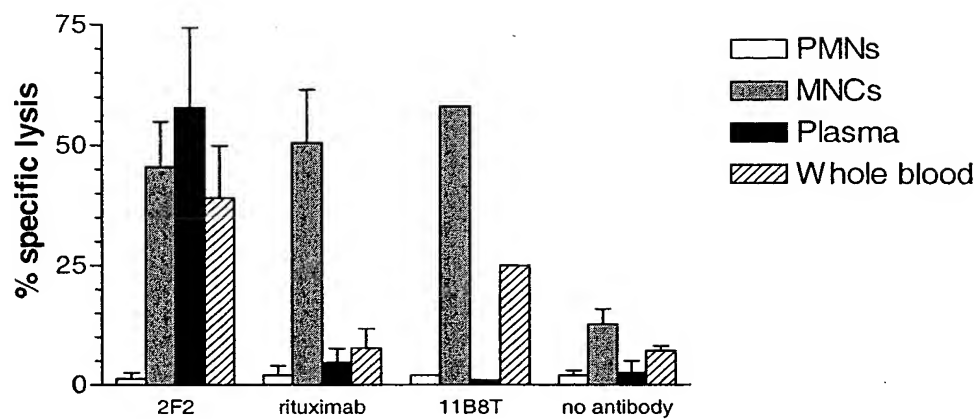


Fig 21

B-CLL

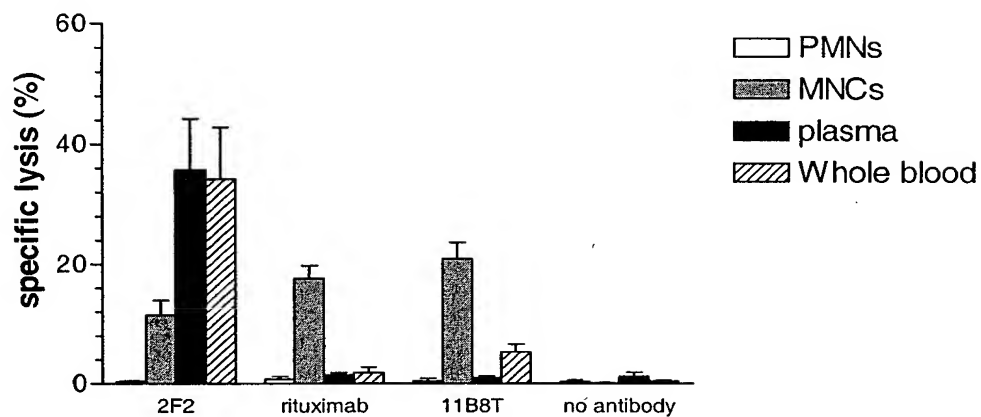


Fig 22

HCL

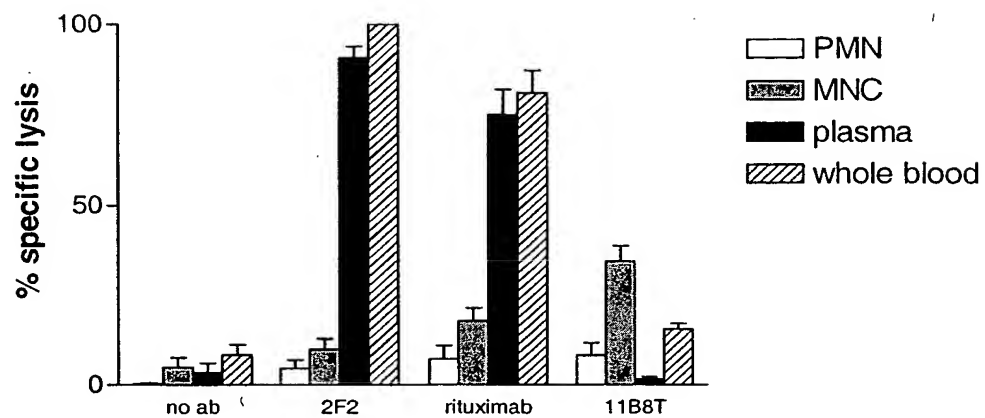


Fig 23

B-ALL

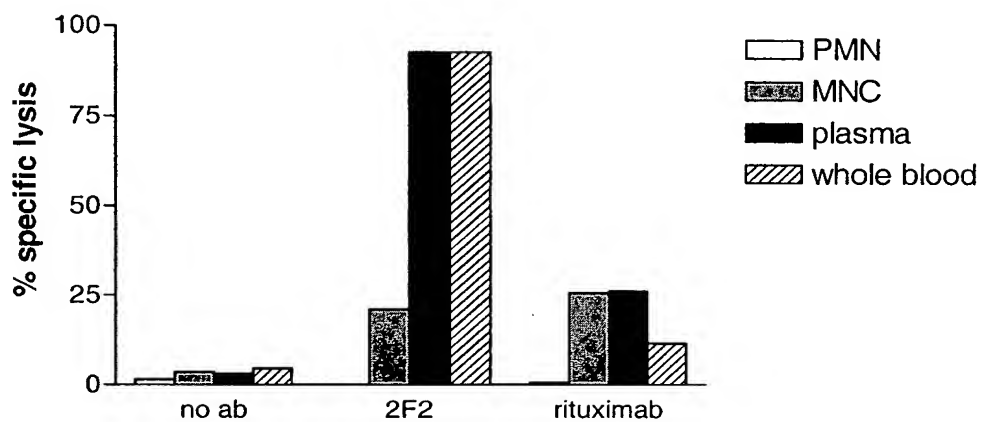


Fig 24

FL

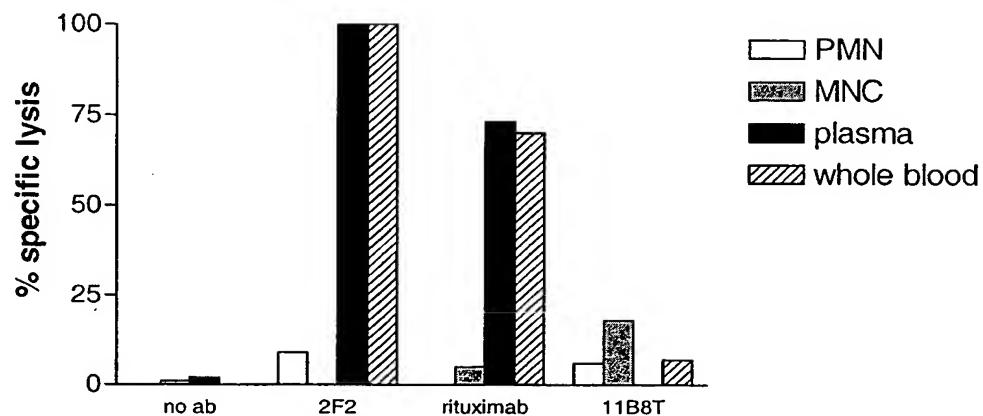


Fig 25

Mantle cell lymphoma

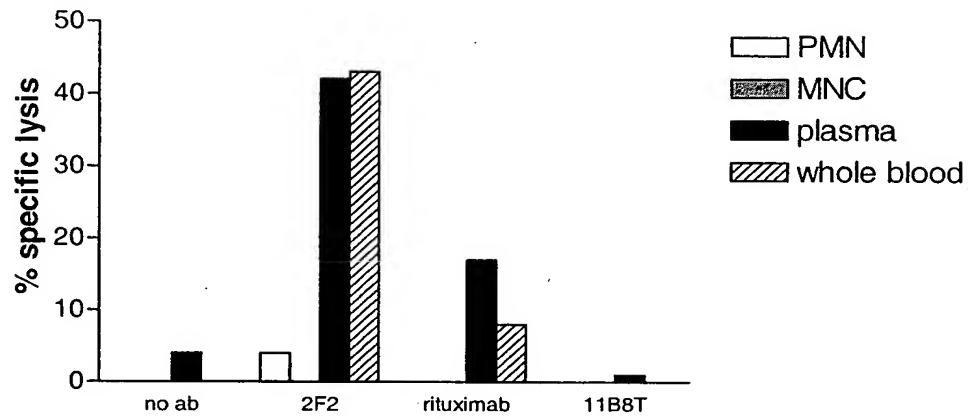


Fig 26

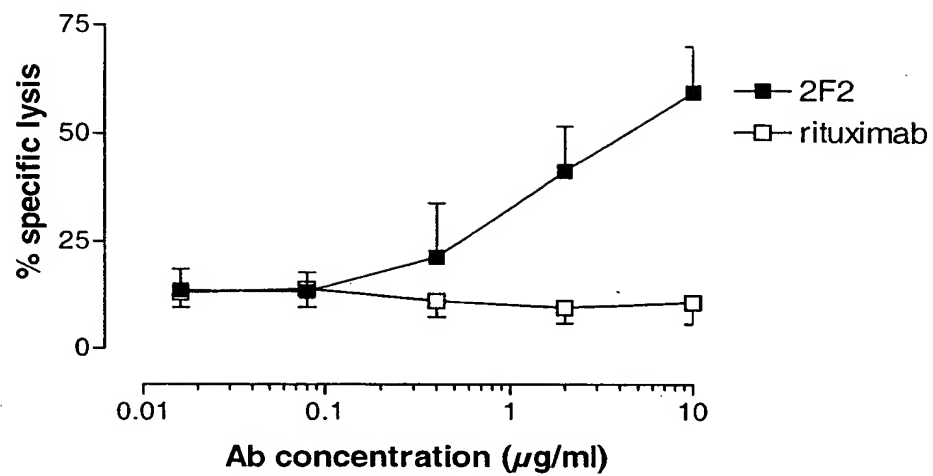


Fig 27

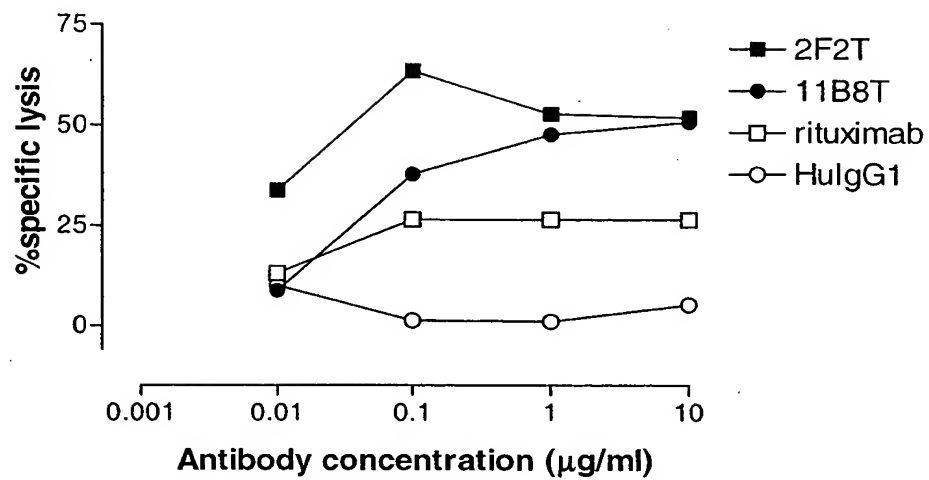
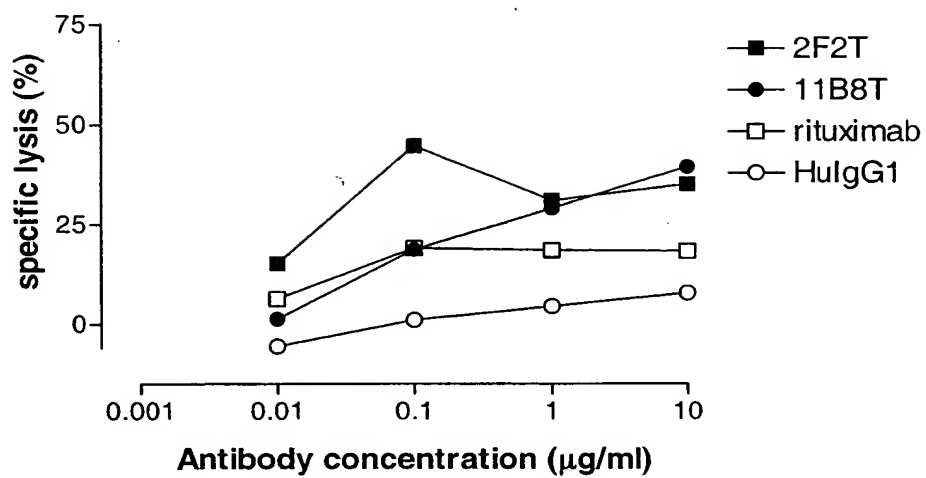


Fig 28



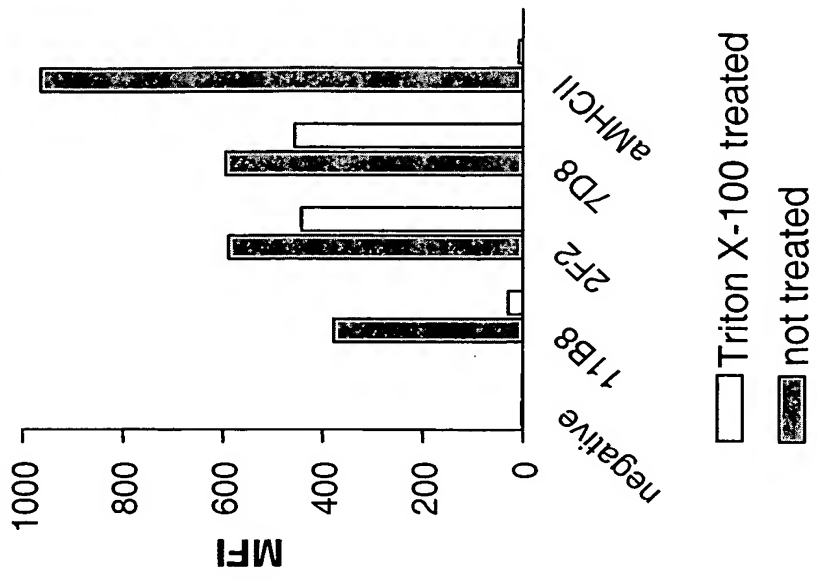
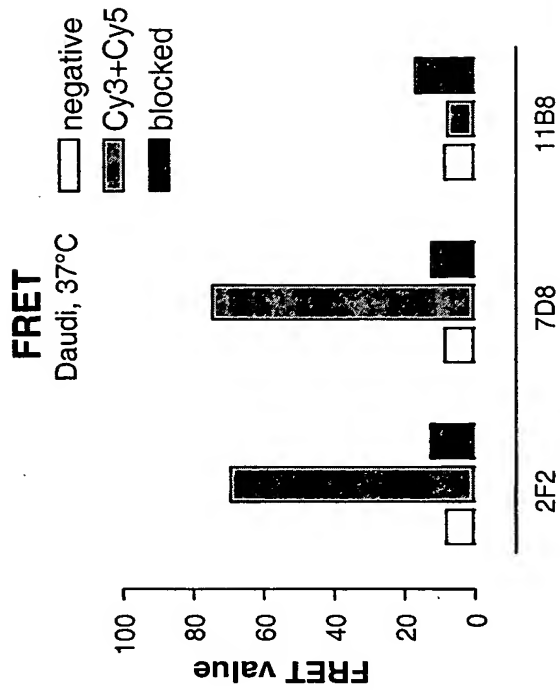
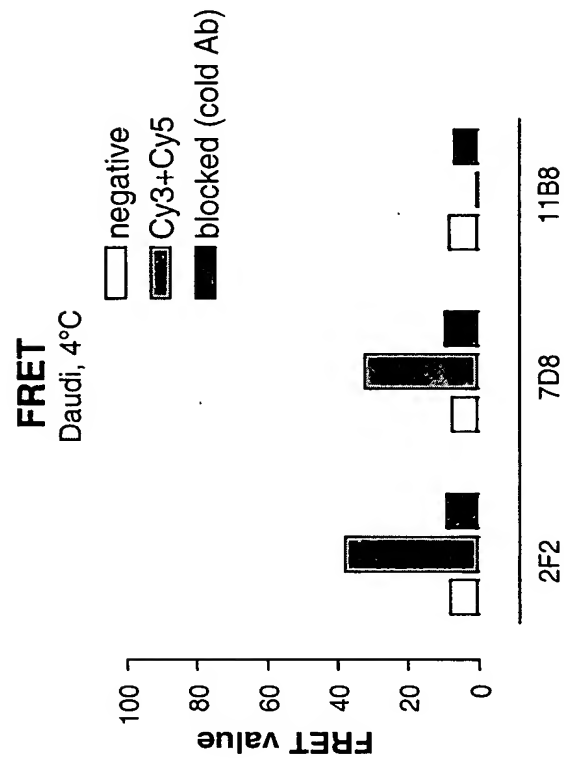


Fig 29A-C

Fig 30

Daudi

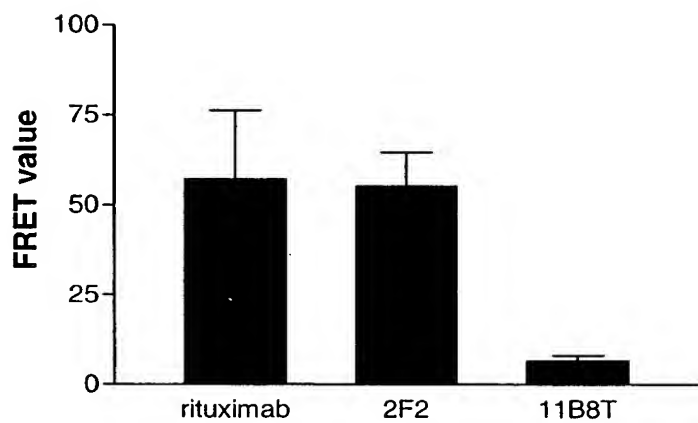
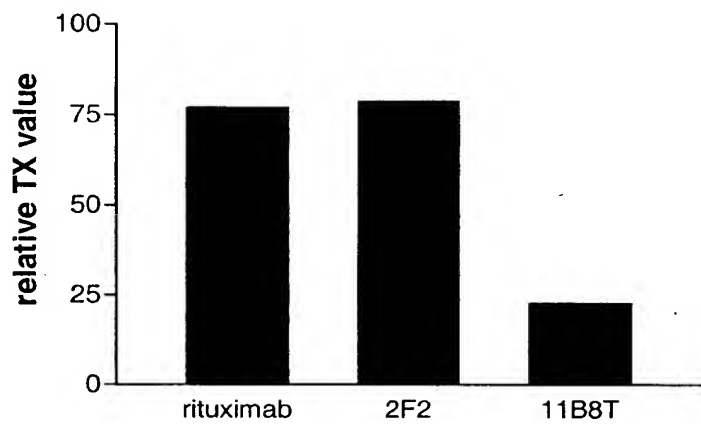


Fig 31

Daudi

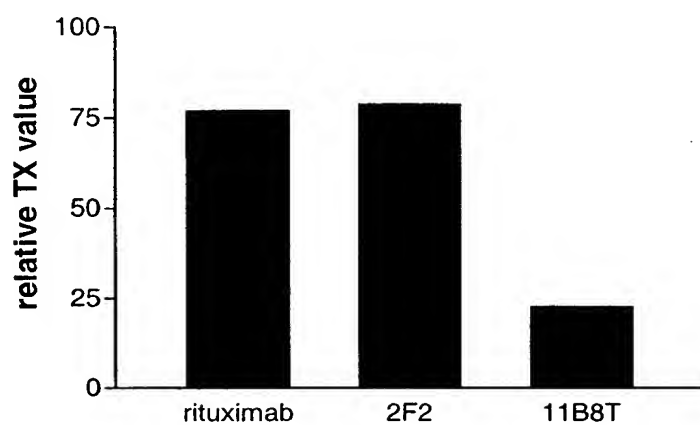
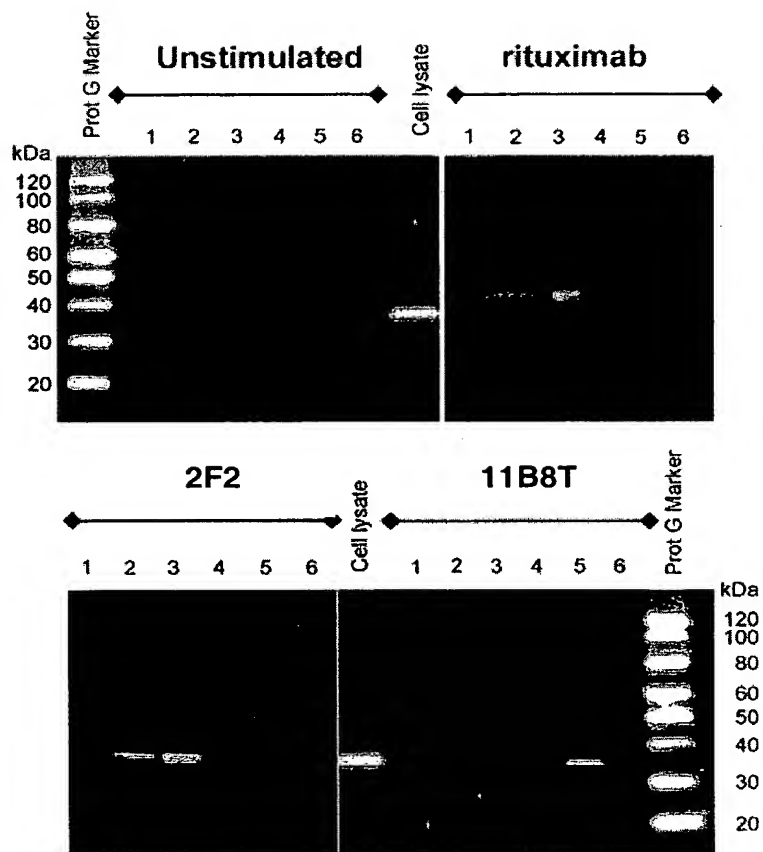


Fig 32



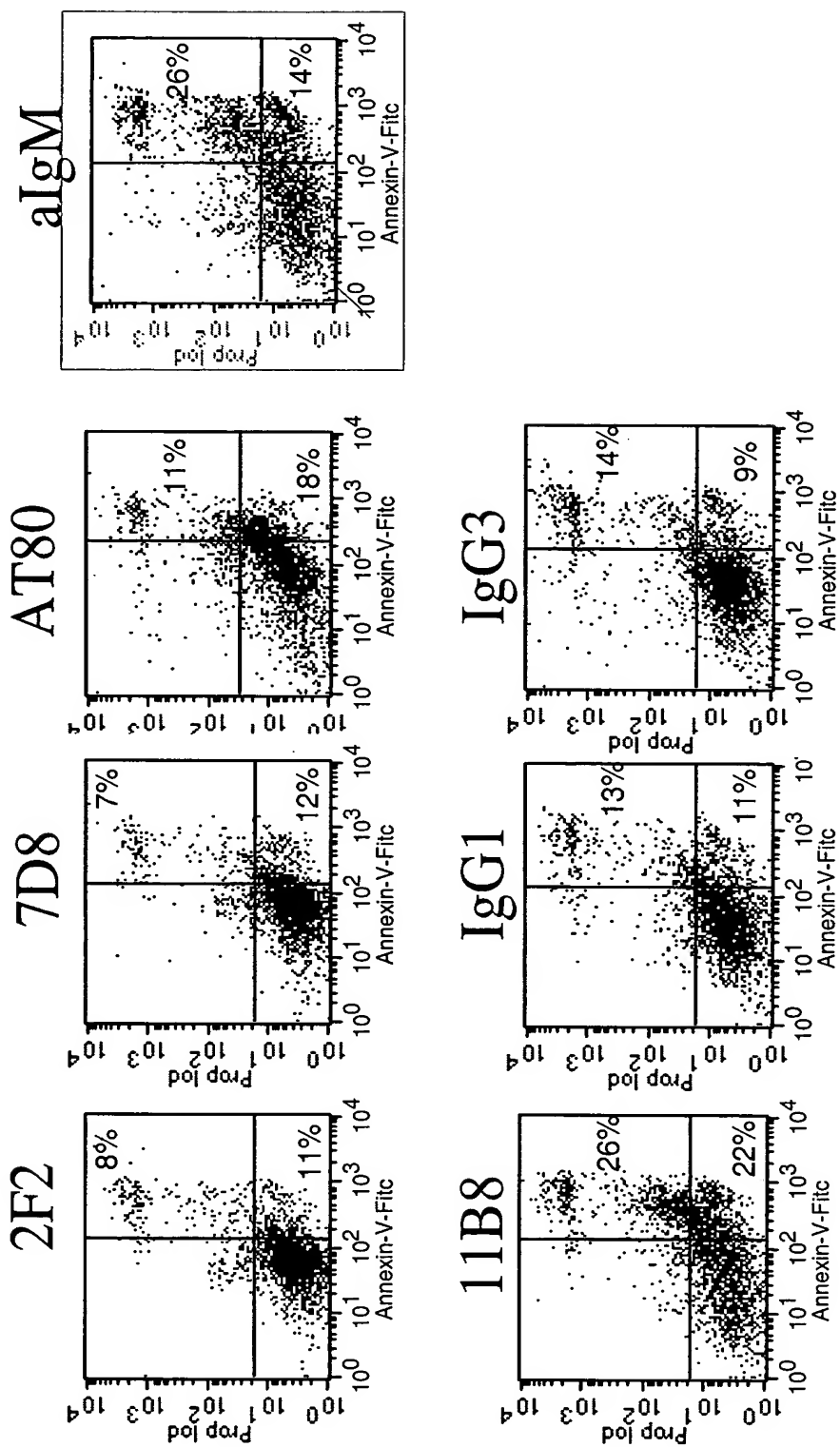


Fig 33A-G

Fig 34

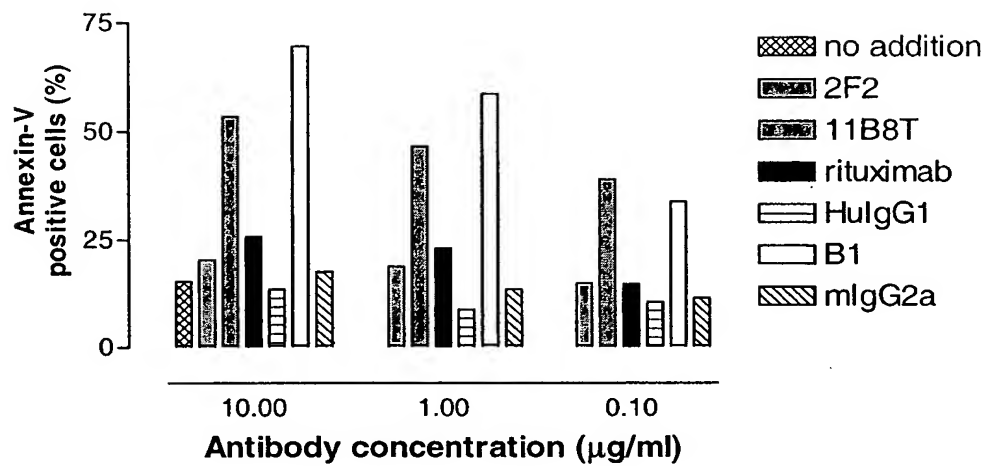
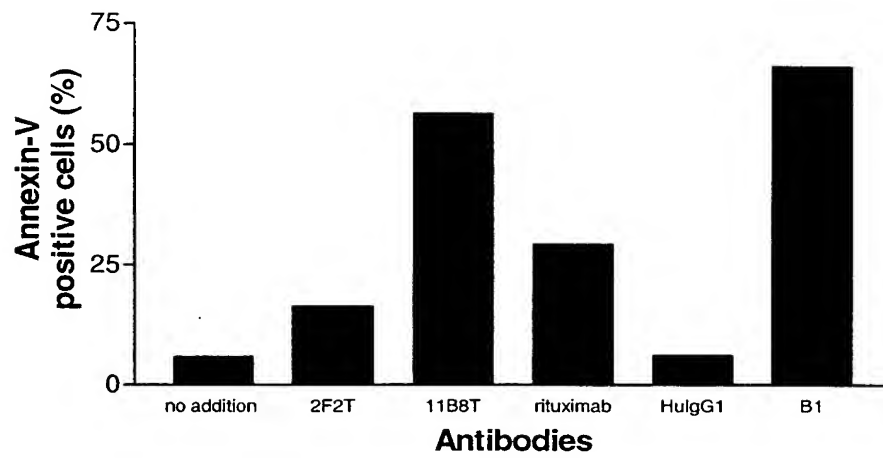
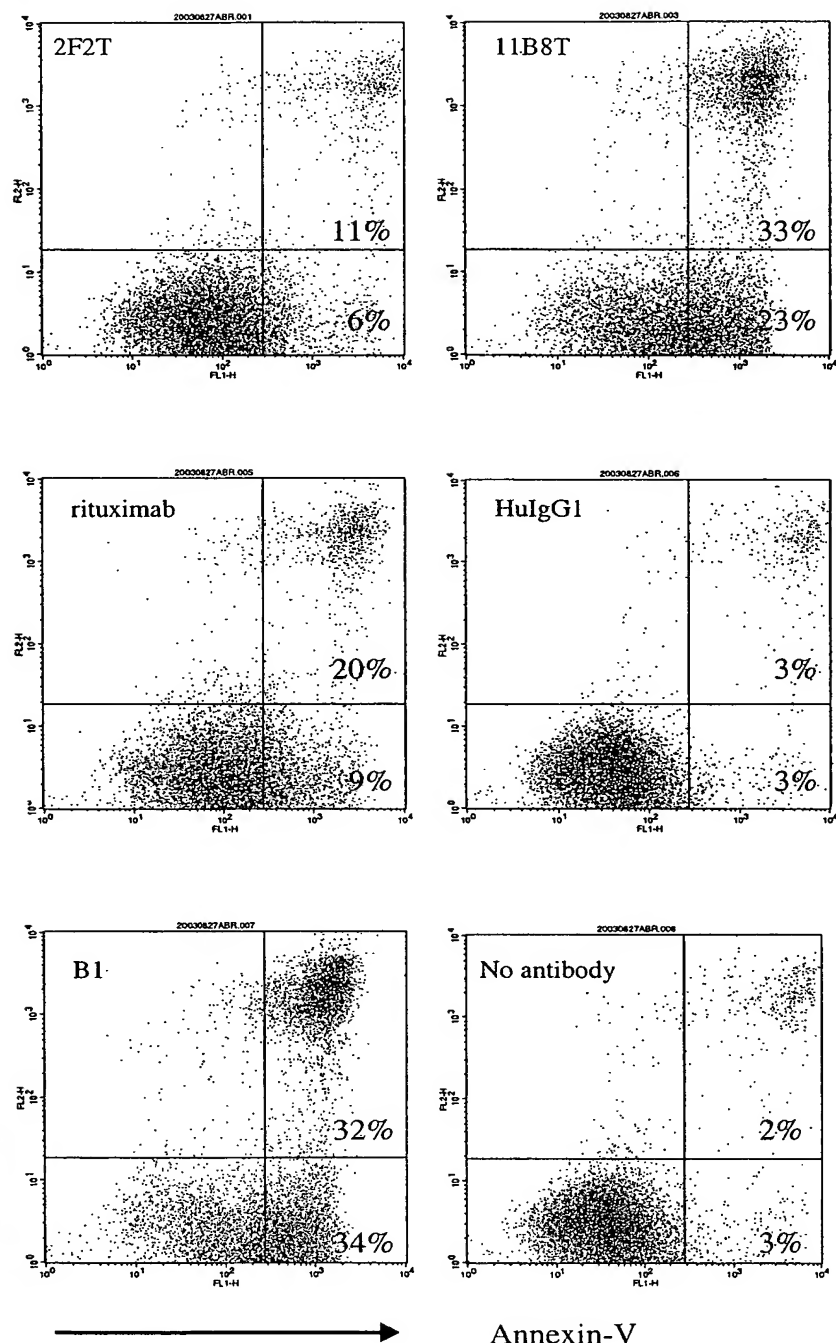


Fig 35A-B

A



B



Homotypic adhesion of Ramos cells.

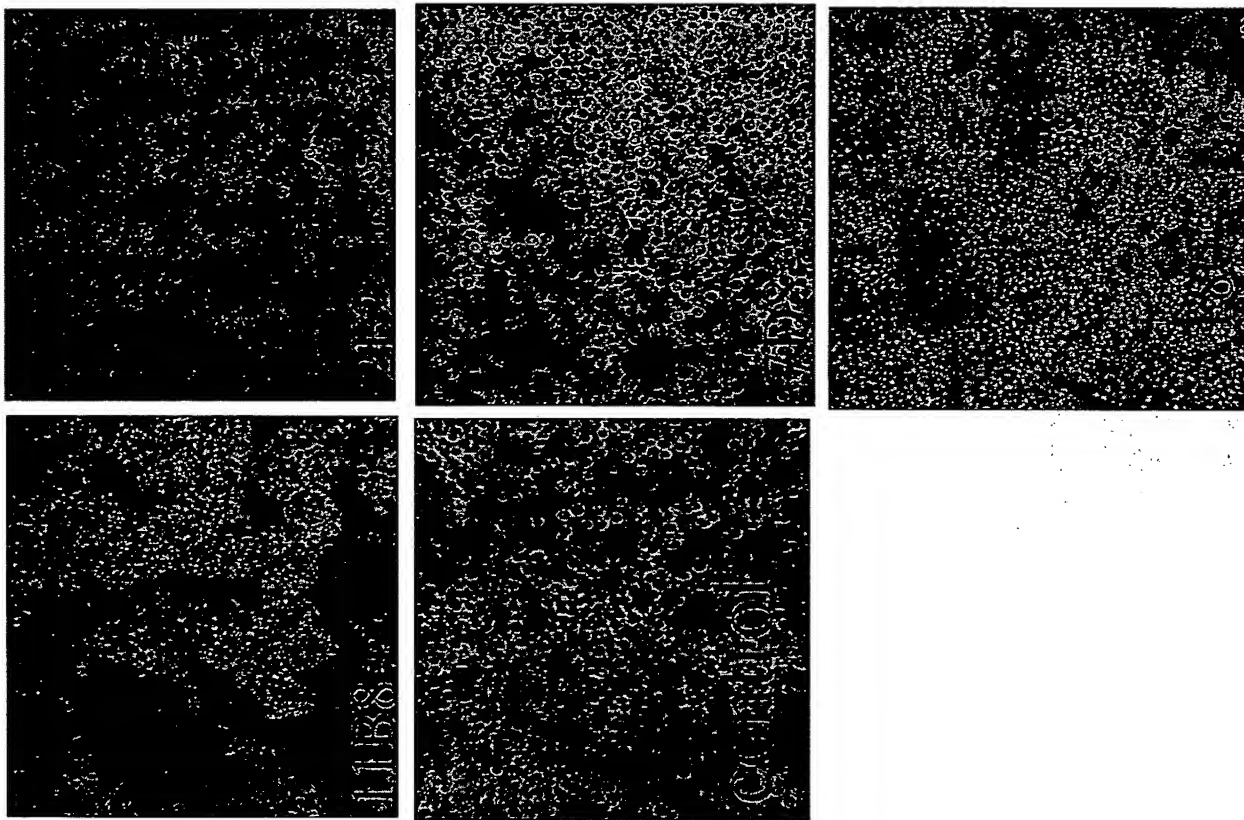
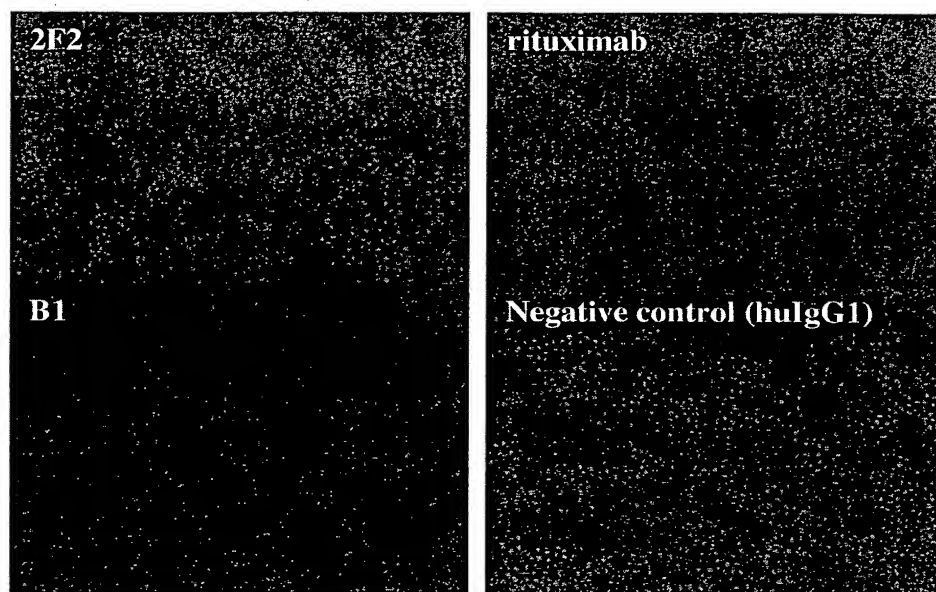


Fig 36A-E

Fig 37



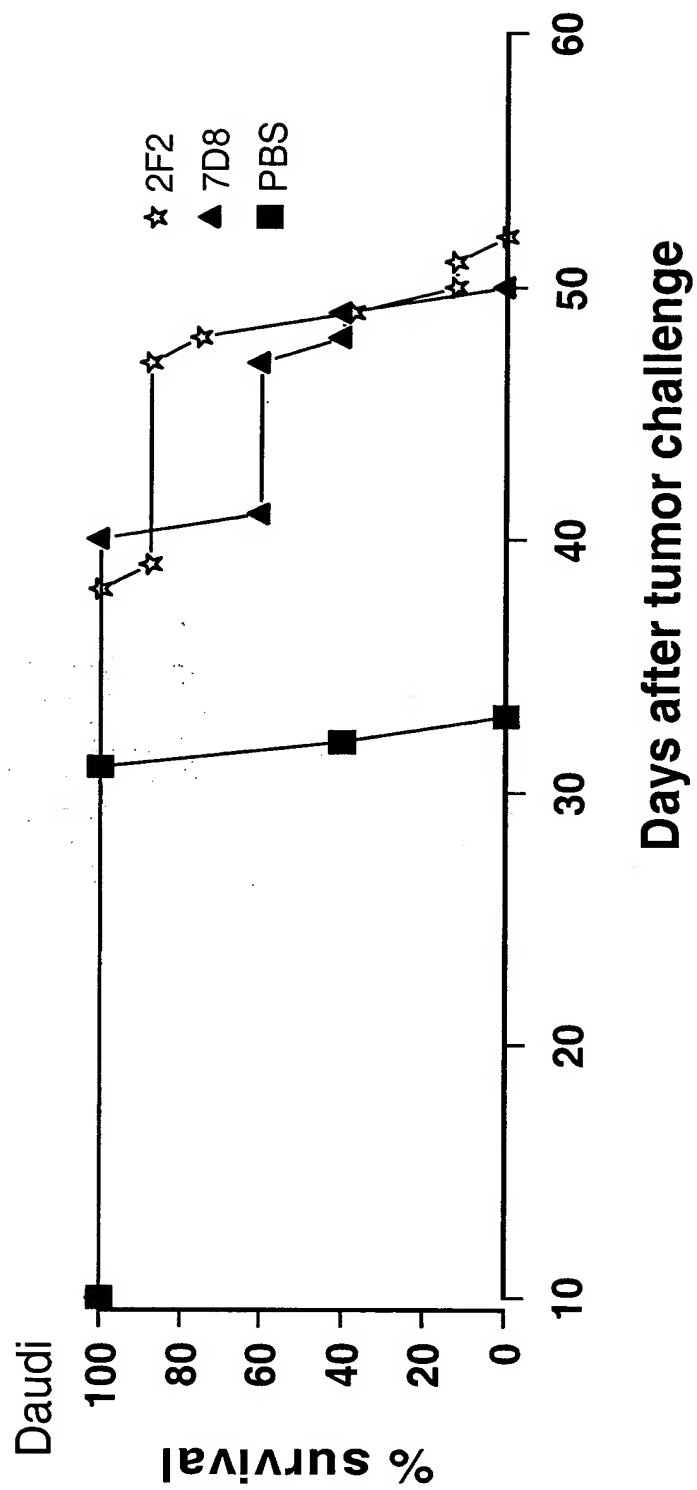


Fig 38

Fig 39

Tanoue

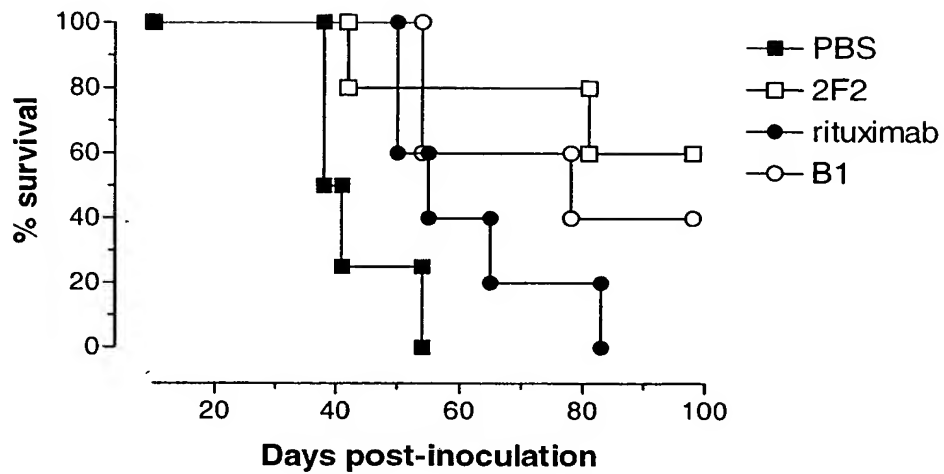


Fig 40

Daudi

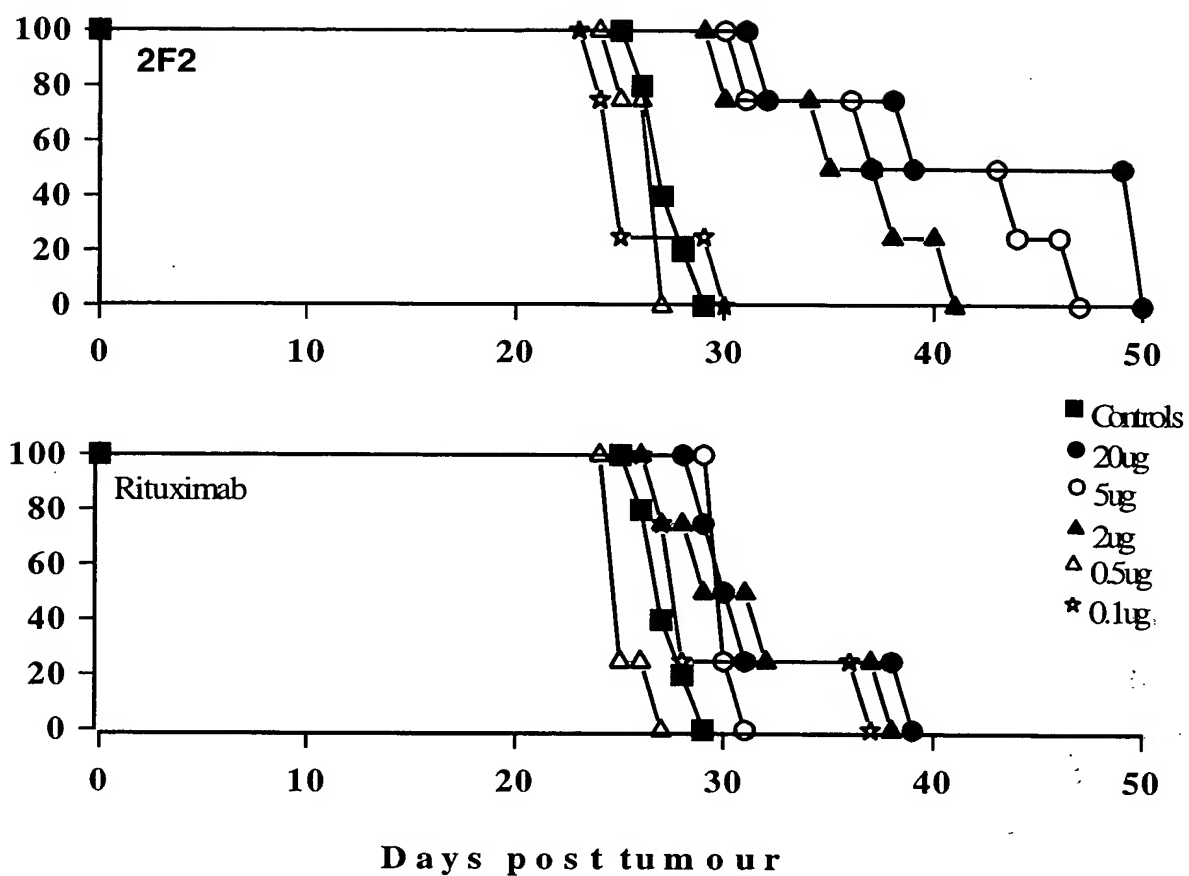


Fig 41

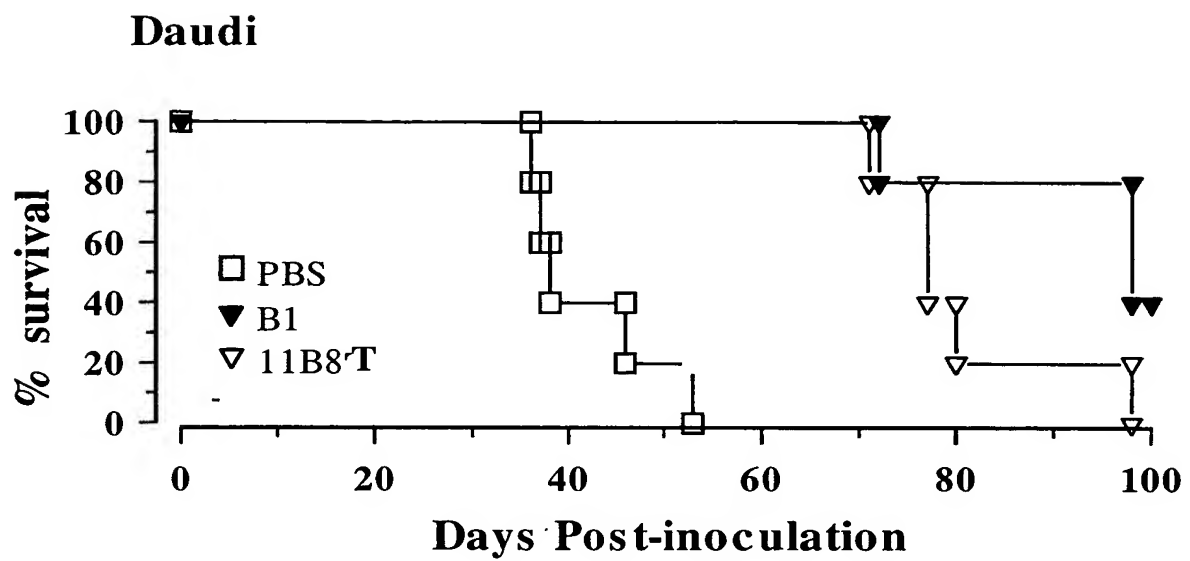


Fig 42

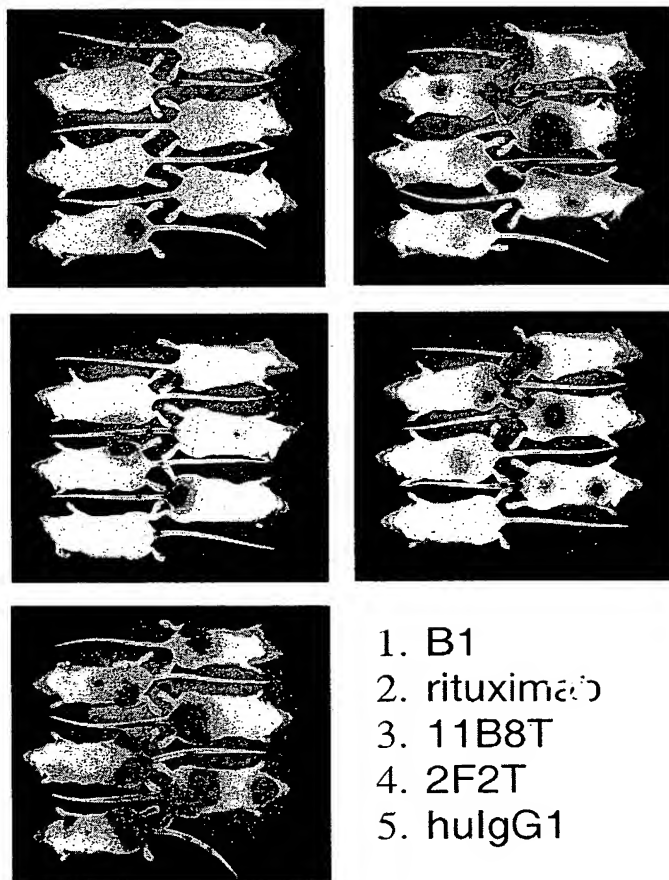


Fig 43

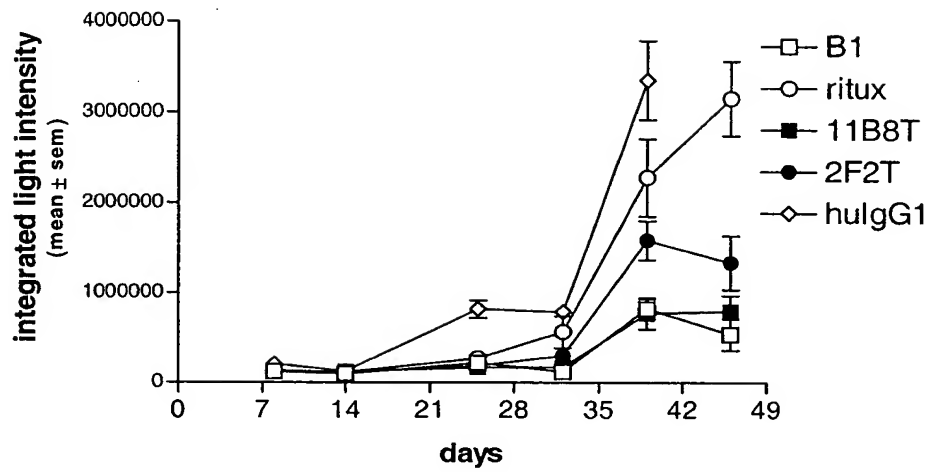


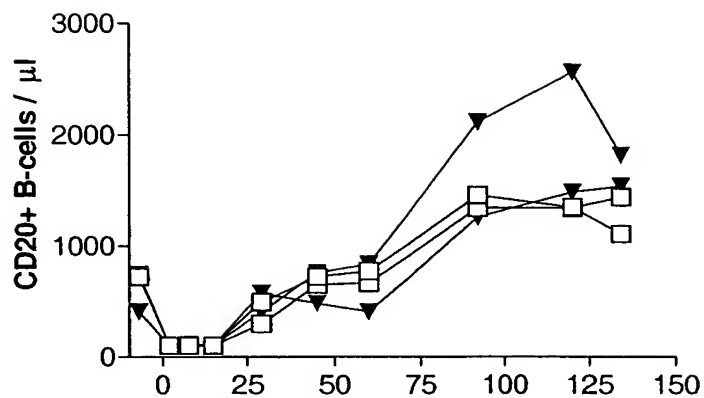
Fig 44A-C

Peripheral blood

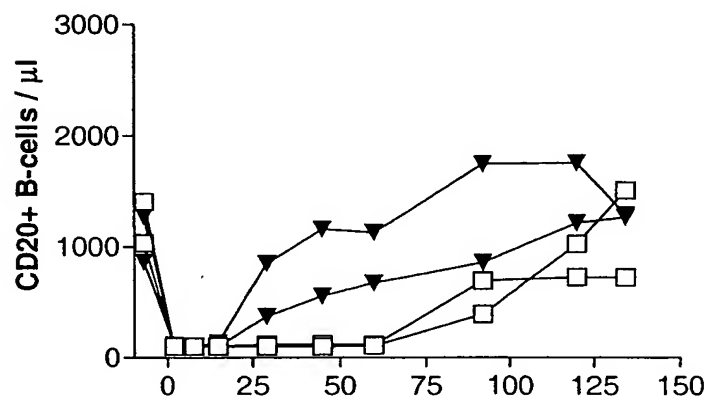
2F2 (□)

rituximab (▼)

A



B



C

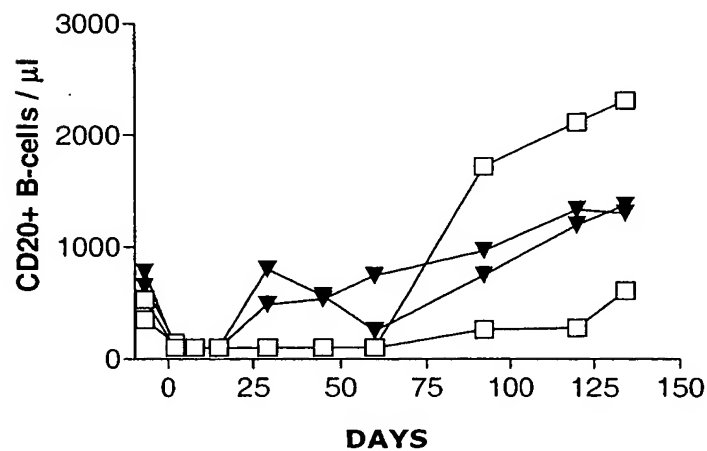


Fig 45A-C

Peripheral blood

2F2 (□)

rituximab (▼)

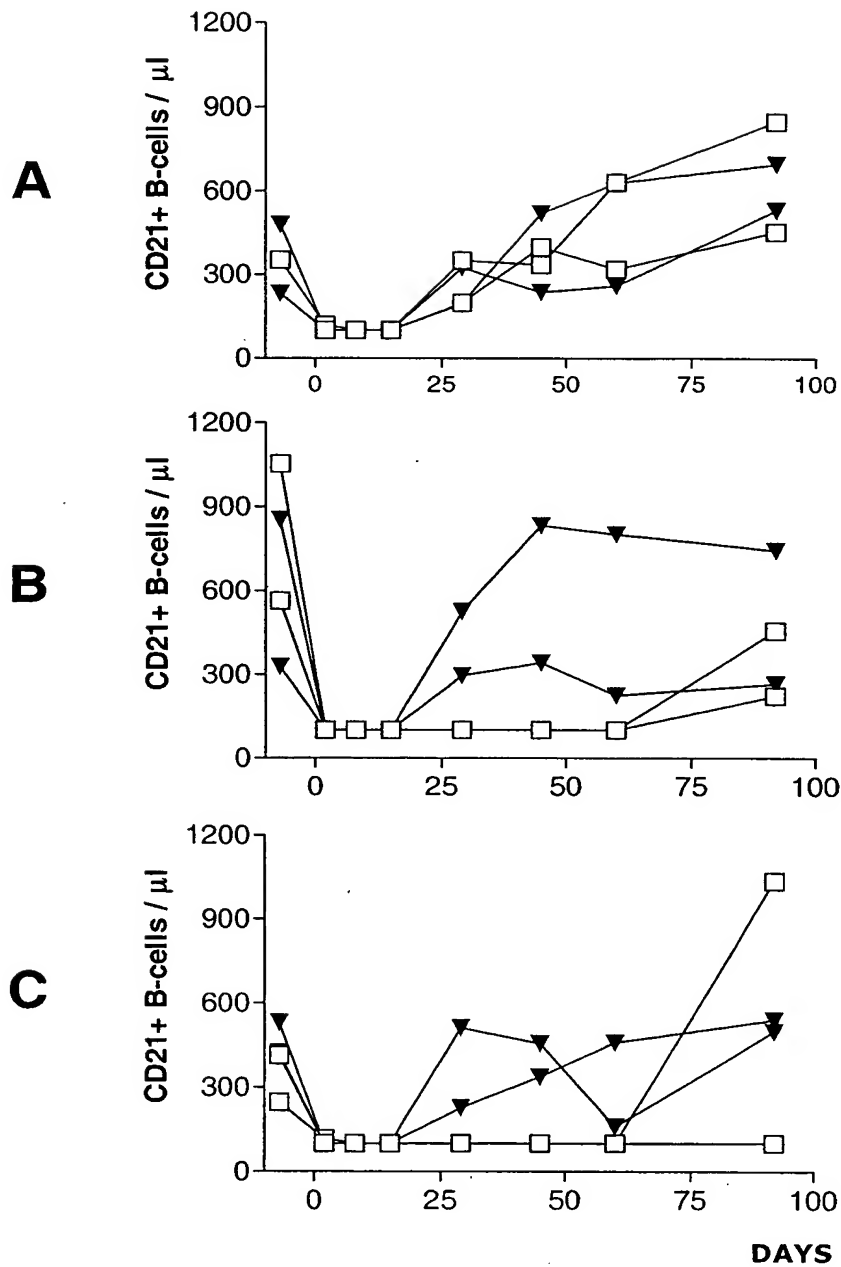


Fig 46A-C

Lymph node

2F2 (□)

rituximab (▼)

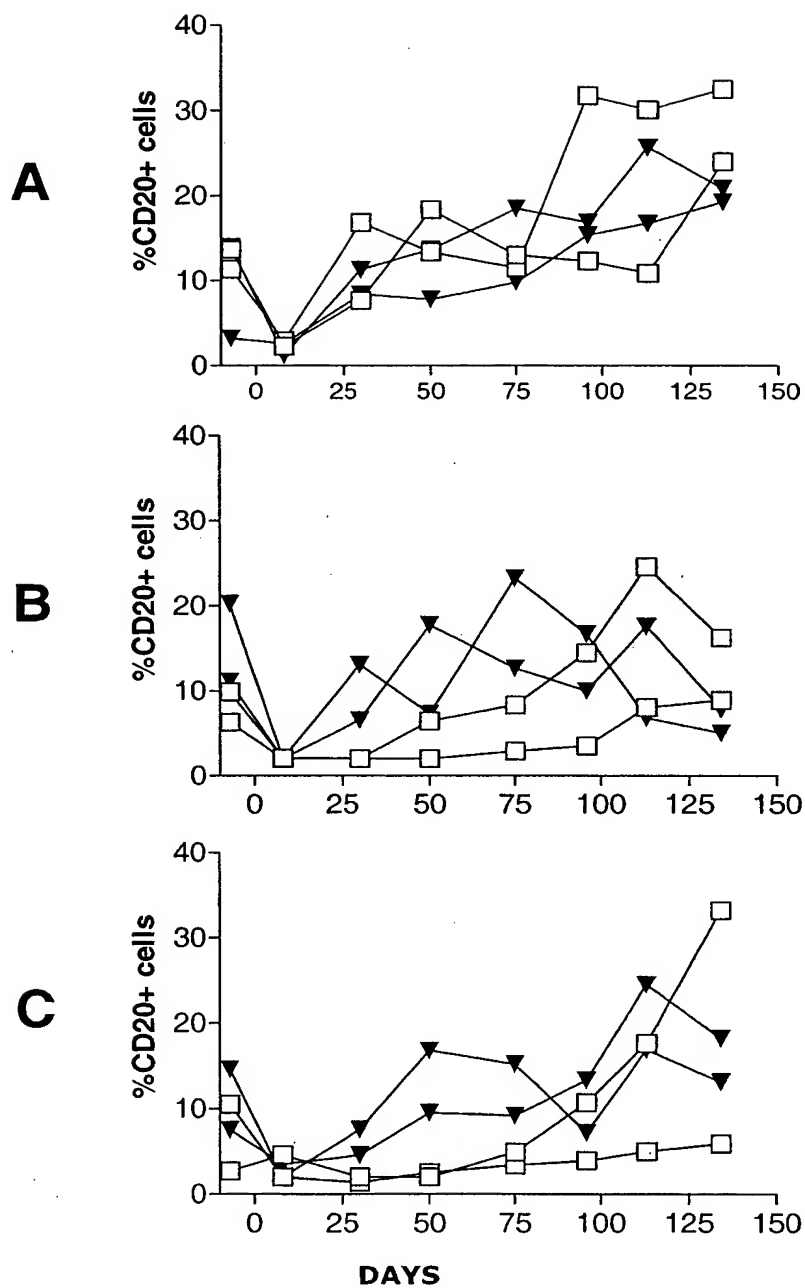


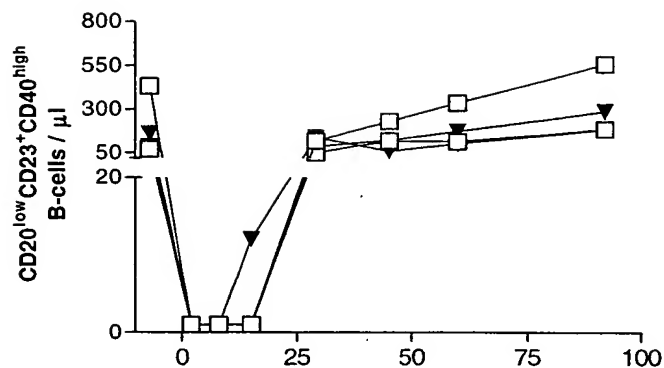
Fig 47A-C

Peripheral blood

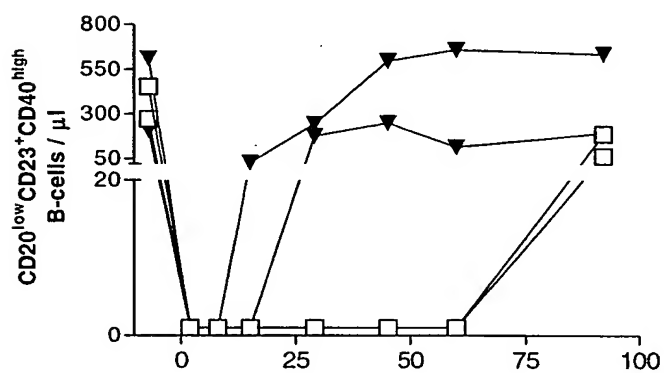
2F2 (□)

rituximab (▼)

A



B



C

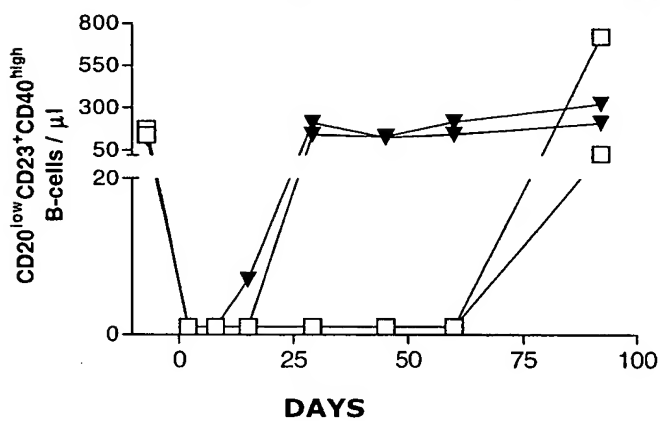
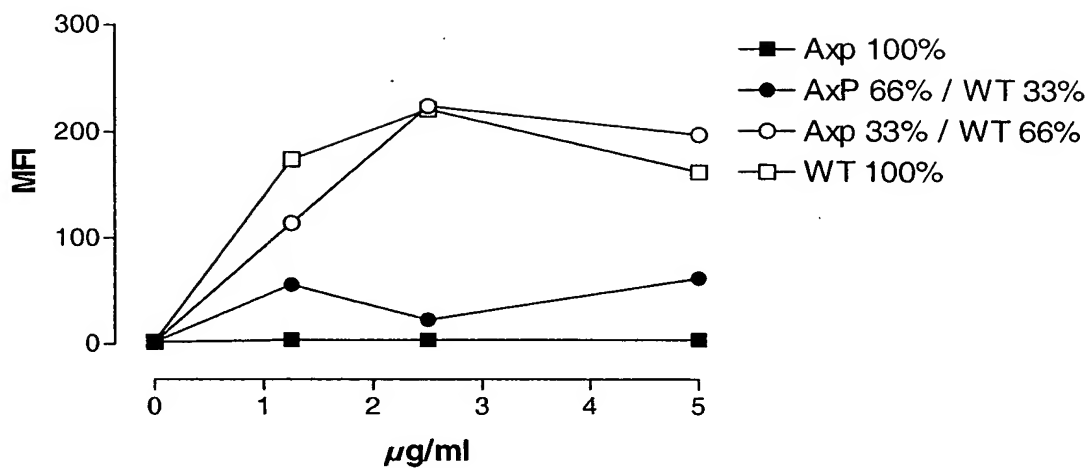


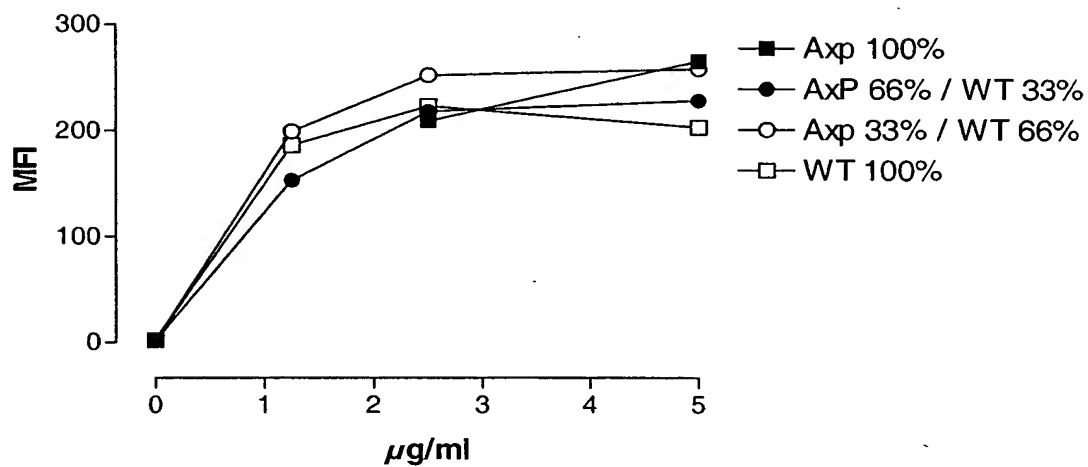
Fig 48A-E

A: rituximab

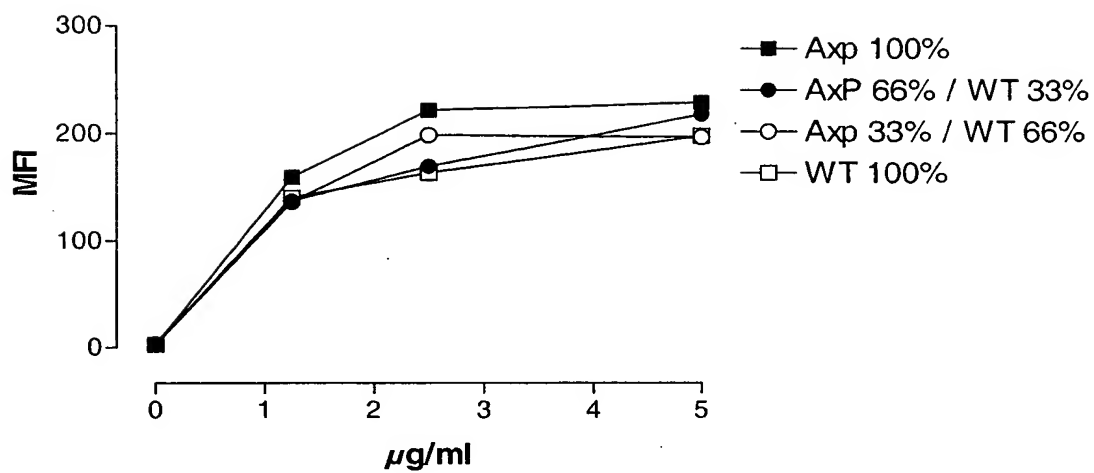
A



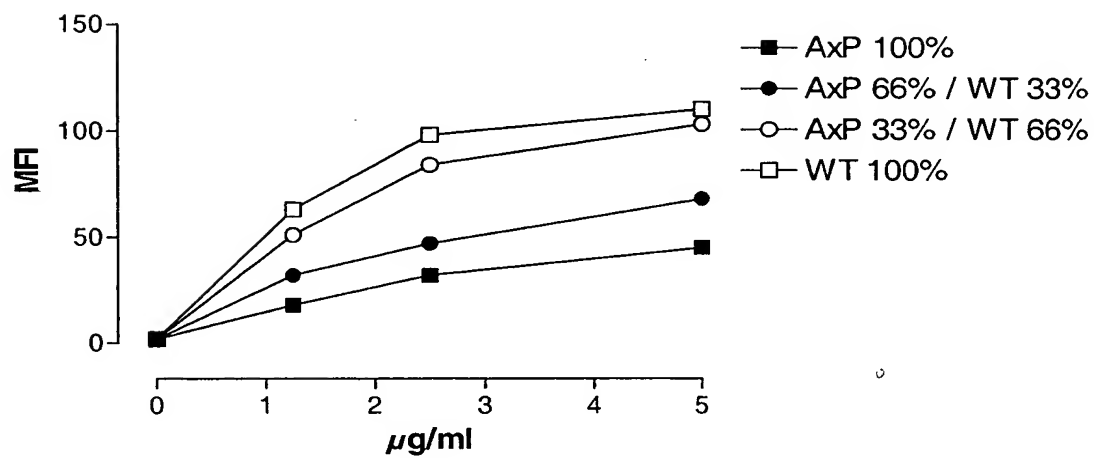
B



C



D



E

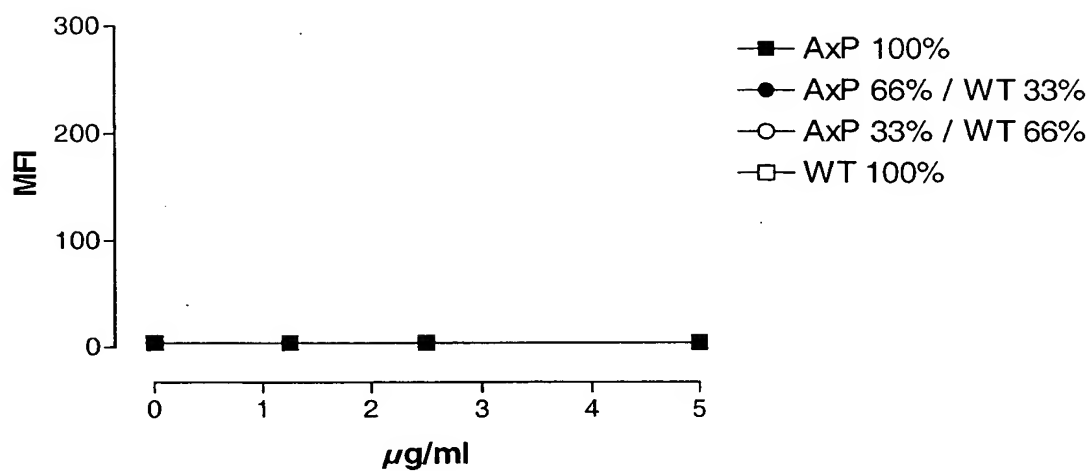
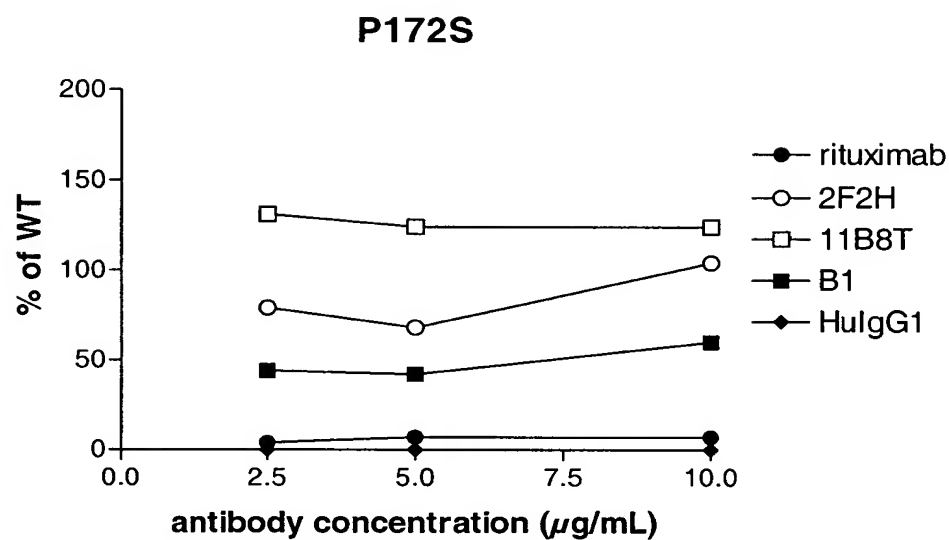
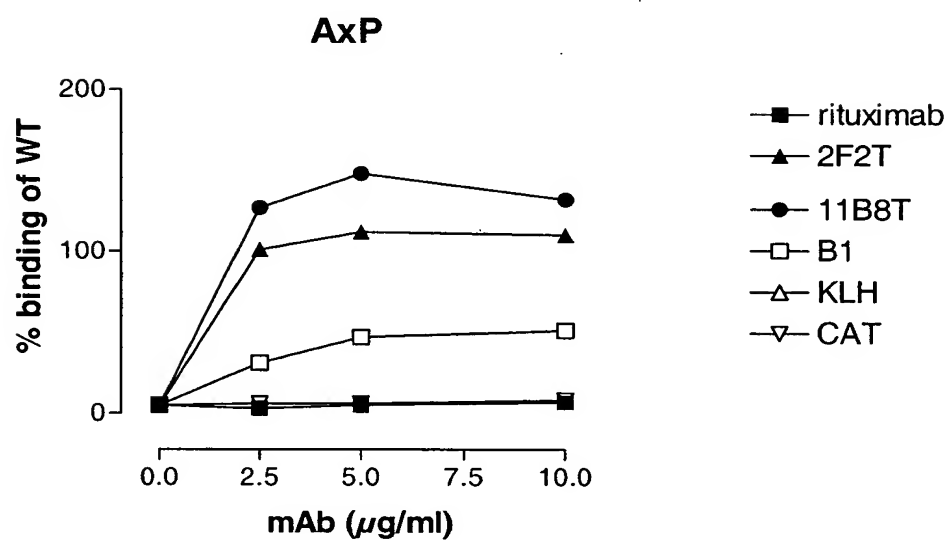


Fig 49A-F

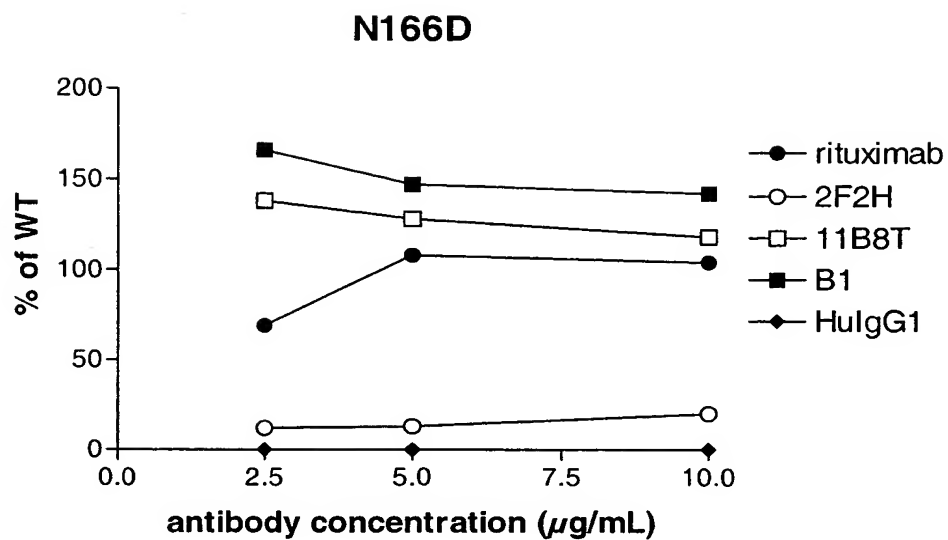
A



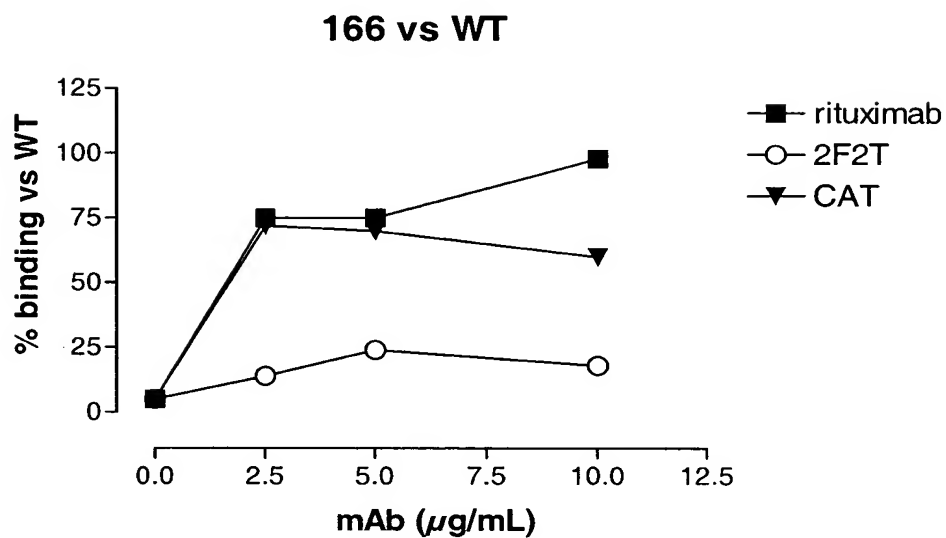
B



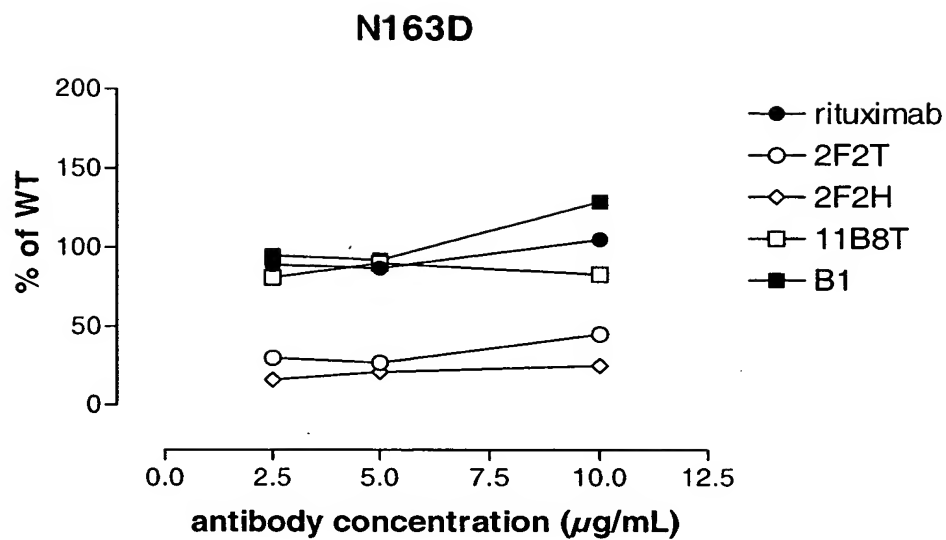
C



D



E



F

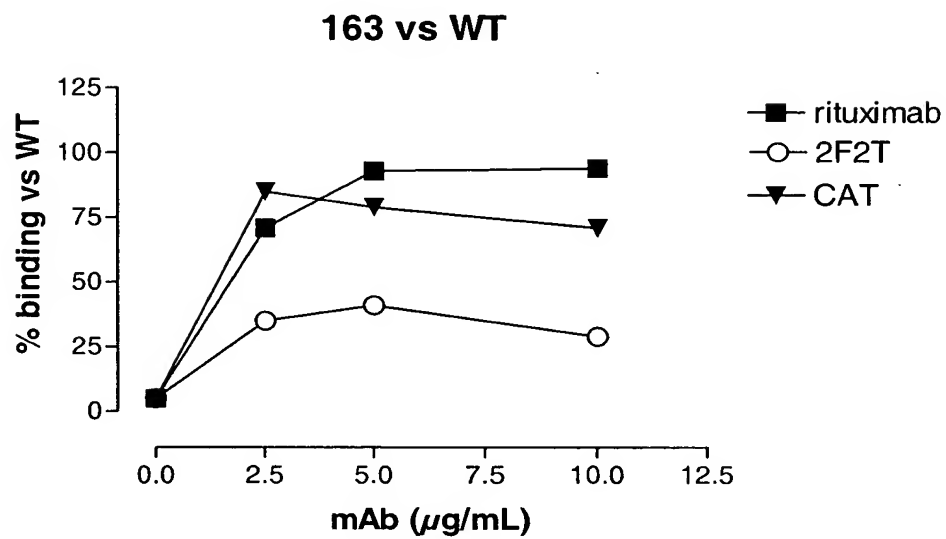


Fig 50

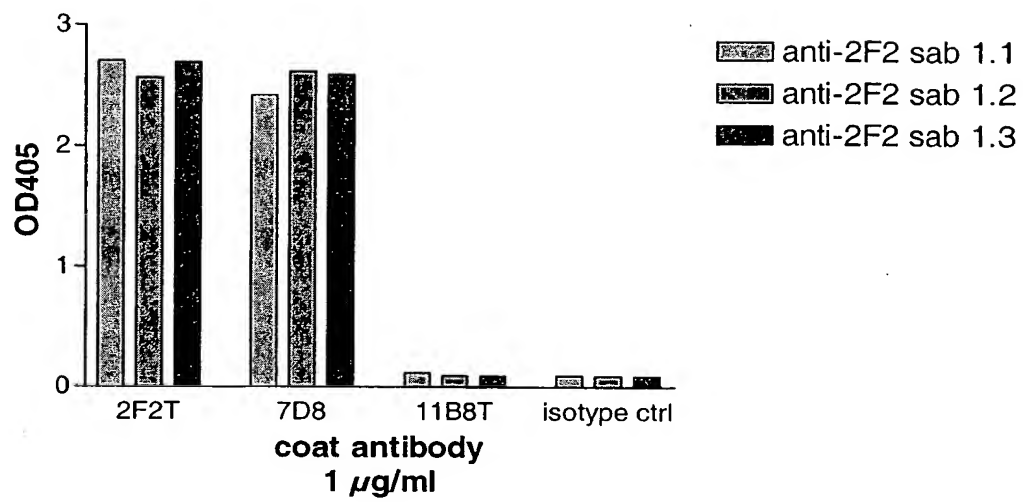
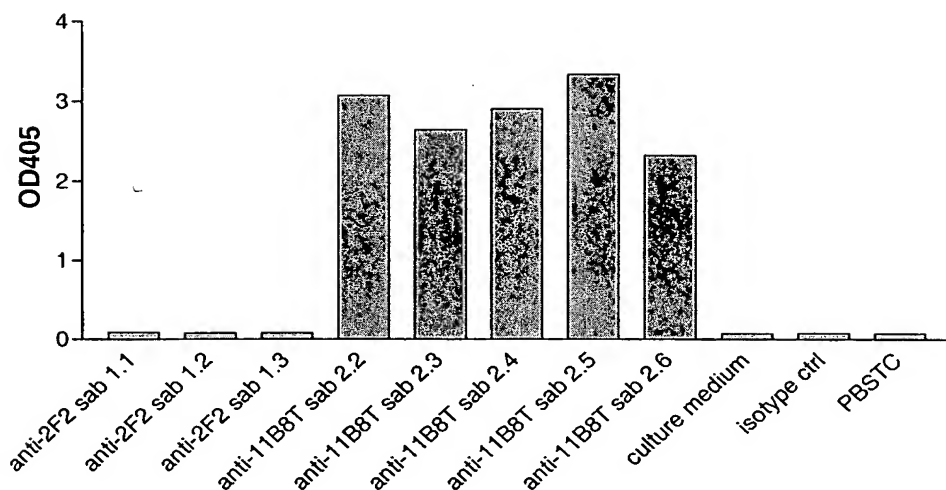


Fig 51



Coating 2 μ g/ml 11B8T
Anti-idiotypic antibody 1 μ g/ml

Fig 52

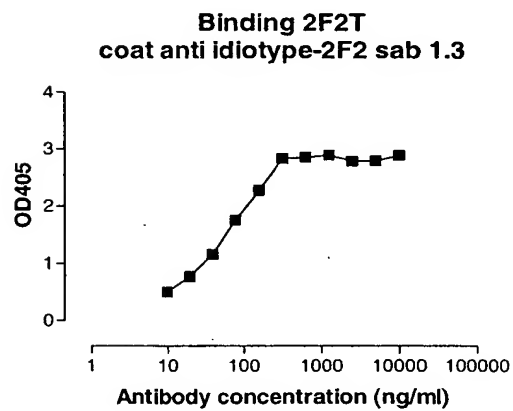
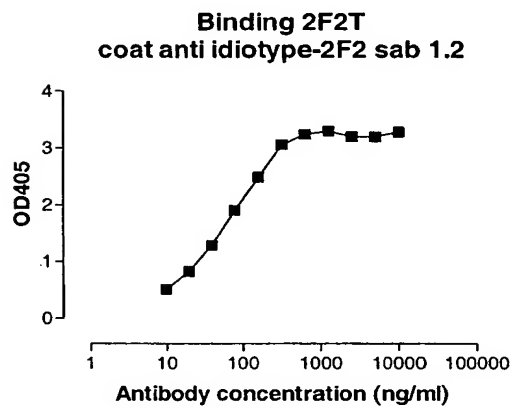
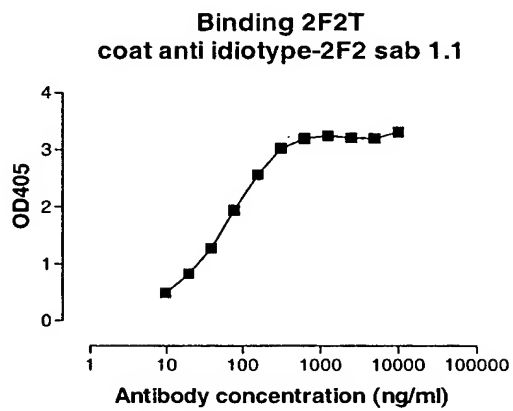


Fig 53

Translation of 2F2 VH

```

1  MELGLSWIFL LALLKGVOCE VOLVESGGGL VQGRSLRLS CAASGFTFND
51  YQMMHUVROAP GKGLEWVSTI SUNSGEIGMA DSVKGRFTIS RDNAKKSLYL
101 QMNSLRAEDT ALYYCANDTIO YGNNVYKGMNM UGQGTVTYS S
  
```

Translation of 2F2VL

```

1  MEAPAQLLFL LLLWLPDITG EIVLTQSPAT LSLSPGERAT LSCERASQSVF
51  SYLLWYQQKP GOAPRLLIYD ASNRAITGIPA RFGSGSGTD FTLTISLLEP
101 EDFAVYYCQQ PSNMPITFGQ GTRLEIK
  
```

CDR1

CDR2

CDR3

Fig 54

2F2 VH

```

1  ATGGAG TTGGGA CTGAGC TGGATT TTCCCTT TTGGCT ATTTTA AAAGGT GTCCAG
55  TGTGAA GTGCAG CTGGTG GAGTCT GGGGGA GGCTTG GTACAG CCTGGC AGGTCC
109 CTGAGA CTCCTC TGTGCA GCTCTT GGATTC ACCTTT AATGAT TATGCC ATGCAC
163 TGGGTC CGGCAA GCTCCA GGGAG GGCCTG GAGTGG GTCTCA ACTATT AGTIGG
217 AATAGT GGTTC ATAGGC TATGGG GACTCT GTGAG GGGCGA TTCACC ATCTCC
271 AGAGAC AACGCC AAGAG TCCCTG TATCTG CAAATG AACAGT CTGAGA GCTGAG
325 GACACG GCCTTG TATTAC TGTGCA AAAGAT ATACAG TACGGC AACTAC TACTAC
379 GGTATG GACGTC TGGGGC CAAGGG ACCACG GTCACC GTCTCC TCAG

```

2F2VL

```

1  ATGGAA GCCCCA GCTCAG CTCTCTC TTCCCTC CTGCTA CTCTGG CTCCCA GATACC
55  ACCGGA GAAATT GTGTTG ACACAG TCTCCA GGCACC CTGTCT TTGTCT CCAGGG
109 GAAAGA GCCACC CTCTCC TGCAGG GCCAGT CAGAGT GTTAGC AGCTAC TTAGCC
163 TGGTAC CACACG AACCT GGCACG GCTCCC AGGCTC CTCATC TATGAT GCATCC
217 AACAGG GCCACT GGCATC CCAGCC AGGTTG AGTGGG AGTGGG TCTGGG ACAGAC
271 TTCACT CTCACC ATCAGC AGCCTA GAGCCT GAGGAT TTGCA GTTAT TACTGT
325 CAGCAG CGTAGC AACTGG CCGATC ACCTTC GGCCTA GGGACA CGACTG GAGATT
379 AAC

```

Fig 55

Translation of 7D8VH

```

1  MELGLSWIFL LAILKGVOCE VOLVESGGGL VQPDRLRLS CAASGFTFFHID
51  YAMHIMVRQAP GKGLEWVSTI SUNSGTIGYA DSVKGRFTIS RDNAKNSLYL
101 QMNSLRAEDT ALYYCARDIQ YGNMAYGHMIV WQOGTTVTVS S

```

Translation of 7D8VL

```

1  MEAPAQLLFL LLLWLPDTTG EIVLTQSPAT LSLSPGERAT LSCPRASQSNYS
51  ESKAMWYQQKP GQAPRLLIYD ASNRATGIPA RFGSGSGTD FTLTISLLEP
101 EDFAVYYCQQ RSNMPLTFGQ GTRLEIK

```

 CDR1

 CDR2

 CDR3

Fig 56

7D8VH

```

1  ATGGAG TTGGGA CTGAGC TGGATT TTCCTT TTGGCT ATTTA AAAGGT GTCCAG
55  TGTGAA GTGCAG CTGGTG GAGTCT GGGGGA GGCTTG GTACAG CCTGAC AGGTCC
109 CTGAGA CTCTCC TGTGCA GCCTCT GGATTC ACCTTT CATGAT TATGCC ATGCAC
163 TGGGTC CGGCAA GCTCCA GGAAG GGCCTG GAGTGG GTCTCA ACTATT AGTTGG
217 AATAGT GGTACC ATAGGC TATGCG GACTCT GTGAAG GGCCGA TTCACC ATCTEC
271 AGAGAC AACGCC AAGAAC TCCCTG TATCTG CAAATG AACAGT CTGAGA GCTGAG
325 GACACG GCCTTG TATTAC TGTGCA AAGAT ATACAG TACGGC AACTAC TACTAC
379 GGTATG GACGTC TGGGGC CAAGGG ACCACG GTCACC GTCCTC TCAG

```

7D8VL




```

1  ATGGA GCCCA GCTCAG CTTCTC TTCCTC CTGCTA CTCTGG CTCCCA GATACC
55  ACCGGA GAATT GTGTG ACACAG TCTCCA GCCACC CTGTCT TTGTCT CCAGGG
109 GAAGA GCCACC CTCTCC TGCAGG GCCAGT CAGAGT GTTAGC AGCTAC TTAGCC
163 TGGTAC CACACG AACCT GGCCAG GCTCCC AGGCTC CTCATC TATGAT GCATCC
217 AACAGG GCCACT GGCATC CCAGCC AGGTTC AGTGGC AGTGGG TCTGGG ACAGAC
271 TTCACT CTCACC ATCAGC AGCCTA GAGCCT GAAGAT TTTGCA GTTTAT TACTGT
325 CAGCAG CGTAGC AACTGG CCGATC ACCTTC GGCCAA GGGACA CGACTG GAGATT
379 AAAC




```

Fig 57

Translation of VHCD2011B8

1 MELGLSWVEL VAILKGVOCE VOLVQSGGGL VHPGGSRLS CTGSGFTF  SW
 51  HANHHVVRQAP GKGLEWVSII GTGGWTVYAD SVKGRFTISR DNVKNSLYLQ
 101 MNSLRAEDMA VYYCAR  VYVG AGSFYDGLYG MDWNGQGTIV TVSS

Translation of VLCD2011B8

1 MEAPAQLLFL LLLWLPD TTG EIVLTQSPAT LSLSPGERAT LSC  RASQSVS
 51  SYVLA WYQQKP GQAPRLLIYD ASNRATGIPA RFSGSGSGTD FTLTSSLEP
 101 EDFAVYYC  QQ FSDNPFLT FGG GTKVEIK

 CDR1

 CDR2

 CDR3

Fig 58

VHCD2011B8

```

1  ATGGAG TTGGGG CTGAGC TGGGTI TTCTT GTTGCT ATATTA AAAGGT GTCCAG
55  TGTGAG GTTCAG CTGGTG CAGTCT GGGGGA GGCTTG GTACAT CCTGGG GGTGCC
109 CTGAGA CTCTCC TGTACA GGCTCT GGATTC ACCTTC AGTTAC CATGCT ATGCAT
163 TGGGTT CGCCAG GCTCCA GGAAGA GGTCTG GATGG GTATCA ATTATT GGGACT
217 GGTGGT GTCACA TACTAT GCAGAC TCCGTG AAGGGC CGATTC ACCATC TCCAGA
271 GACAAAT GTCAG AACTCC TTGTAT CTTCAA ATGAAC AGCCTG AGAGCC GAGGAC
325 ATGGCT GTGTAT TACTGT GCAAGA GATTAC TATGGT GCGGGG AGTTTT TATGAC
379 GGCCTC TACGGT ATGGAC GTCTGG GGCCAA GGGACC ACGGTC ACCGTC TCCTCA
433  G

```

VLCD2011B8

```

1  ATGGAA GCCCCA GCACAG CTCTCT TTCTC CTGCTA CTCTGG CTCCCA GATACC
55  ACCGGA GAATTT GTGTG ACACAG TCTCCA GCGACC CTGTCT TTGTCT CCAAGG
109 GAAAGA GCCACC CTCTCC TGCAGG GCCAGT CAGAGT GTTAGC AGCTAC TTAGCC
163 TGGTAC CAACAG AAACCT GGCCAG GCTCCC AGGCTC CTCATC TATGAT GCATCC
217 AACAGG GGCAC TGGCAT CCAGCC AGGTTT AGTGGC AGTGGG TCTGGG ACAGAC
271 TTCACT CTCACC ATCAGC AGCCTA GAGCCT GAAGAT TTTGCA GTTTAT TACTGT
325 CAGCAG CGTAGC GACTGG CCGCTC ACTTC GGCGGA GGGACC AAGGTG GAGATC
379  AAAC

```